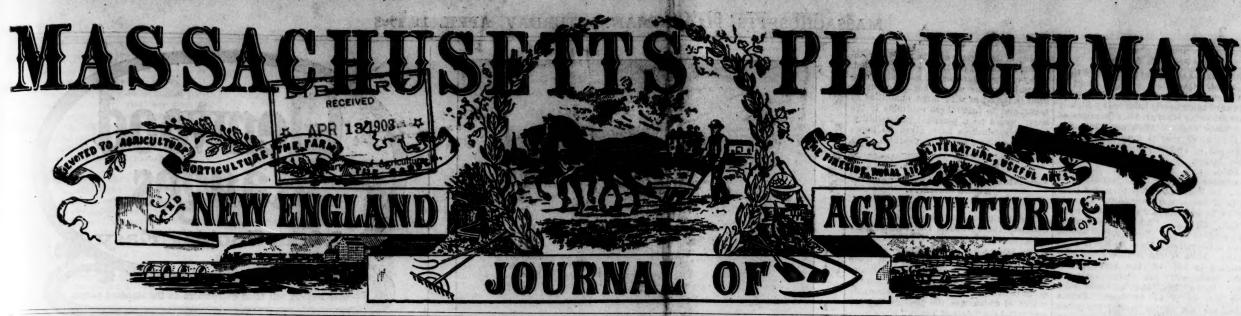
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BOSTON, MASS., SATURDAY, APRIL 11 1903

THE APIARY.

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MASSACHUSETTS PLOUCHMAN STOURNAL OF AGRICULTURE al Organ of the N. E. Agricultural Society.

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spondence from practical farmers, giving the nits of their experience, is solicited. Letters uld be signed with the writer's real name, in full, the will be printed or not, as the writer may

THE PLOUGHMAN offers great advantages to adver-isors. Its circulation is large and among the most active and intelligent portion of the community. Entered as second-class mail matter.

Cost of Road Improvements. Road building in Massachusetts has reached a point where large and very defi-

The repair bills, which it was at first supposed would be light, are fast becoming an important item. The towns pay \$50 per year toward repairing each mile of State road, and the State does the rest. In 1902 the total cost of repairs was about \$60,000, of which the towns paid about \$17,000. Hence the cost per mile is nearly \$150 per year, although some of the roads are new and none have been made many years. It is already evident that in this climate no road will take care of itself, however well built, and maintenance as well as first cost must be reckoned in figuring out the burden of a complete system. No doubt the road-building idea is immensely popular, especially in the smaller.

The cost per mile is nearly \$150 per year, able even to boss a team in English, expect good wages. Some men will be given work and brought to the farm to live, who are neither competent helpers nor fit to live in a decent family. A few dollars saved by hiring such men is poor economy. The question is no doubt a serious one. In some localities farmers report that nobody can be hired at anything like a reasonable price. ing out the burden of a complete system. No doubt the road-building idea is immensely popular, especially in the smaller towns. It is felt that the improvement must come, and taxpayers do not find fault except, perhaps, in large cities, where not much is practically known of country-road to the control of the control of the country-road to the control of the control of the country-road to the control of the control of the country-road to the control of much is practically known of country-road problems. Yet any plan that makes communication easy between country and city is a help to all classes, and the fact is becoming more fully realized yearly as the plan of the State roads gradually approaches

Conditions of Cranberry Culture.

The past year has been a favorable one for cranberry growers. A large crop was harvested in good condition and sold at a the soil and manure. Hence a sprinkling profitable range of prices, quotations at times reaching \$15 per barrel for fancy qualities. One year after another this berry is among the best for profit.

But the business is something of a natural monopoly, because of the capital, skill and time required to get a bog into full bearing, and because few locations offer the right combination of conditions. Climate should not be too frosty. The bog should be easy of access, easily drained or flooded at will, and close to a good supply of sand. Many farms have small unused bogs or swales which might be made to pay interest on the whole value of the farm. The cash outlay is not large if conditions favor, and most of the work can be done at the seasons when labor and teams can be spared.

But with the most favorable conditions it is a serious undertaking to start a large Cramberry bog. Brush, trees and sod must en off, ditches must be dug for drainand the surface must be graded and d to favor sanding, flooding and har-At least three inches of good, sand must be spread on, after which ines may be set, the plantation isually started in spring. But a first-class bog must have faciliflooding over winter, at least summer to kill insects, and ce or more at harvest time when needed to protect against early A bog thus supplied with water is valuable than one unflooded, since p is practically insured, while the g fails in seasons when, by reathe failure itself, prices of the berry h. Flooding is often managed by g a good-sized stream and flowing water through side ditches over low, opening the gates of the dam as the flooding is finished. The another plan is to make one or more productive and reliable bogs in

and good management goes into for plowing under.

a first-class cranberry bog. Contractors reckon the job at \$200 to \$500 per acre, the smaller figure being for a meadow prepared without means of flooding. After the a first-class cranberry bog. Contractors reckon the job at \$200 to \$500 per acre, the smaller figure being for a meadow prepared without means of flooding. After the plants are set, no large crop is to be expected until the third year, so that patience as well as capital is required. The average farmer drea's such a heavy task followed by a long wait, and the result is that many bogs that might become more valuable than all the rest of the farm are allowed to remain idle. A reasonably good bog should average one hundred barrels per acre after the third year, and with some repairs will continue to bear for a lifetime. Expense of marketing is not especially large. After once established the business is not especially difficult, since bearing bogs have been sold to inexperienced buyers, and by them often successfully managed.

Old growers hesitate to advise others to start plantations, partly, of course, from a fear that the limited market may become overstocked, as, in fact, is already the case whenever the crop is unusually large, and

overstocked, as, in fact, is already the case whenever the crop is unusually large, and partly because of the risk in selecting a location and expending the capital for its development. Money has been lost on nite results may be pointed out. There are 415 miles of completed State road out of a the outlook for beginners, replied: "I total of 1566 miles for which petitions have been received. These petitions came from business, nor dissuade you from it. Money been received. These petitions came from 281 towns and twenty-five cities, showing that the country districts are after their share.

The counties are obliged to pay one-quarter the expense of construction, and the amount assessed on the counties during 1902 was \$126,000, while about fifty-seven miles cost the State about \$500,000 and the counties as well as the rewards, are somewhat larger than in most other branches of fruit growties \$126,000, or a total well over \$10,000 per mile. In considering the enormous cost, however, it should be remembered that difficult and costly sections are usually selected, where expensive grading or drainage are necessary. loaned for several years, but the final rate of ncome should prove very satisfactory.

Farm Hints for April. HIRED HELP.

Desirable men are scarce and high this year. Even foreigners just landed, and not the cost per mile is nearly \$150 per year, able even to boss a team in English, expect from among quite a number on their list A small advertisement in an agricultural paper will usually bring numerous applications for the position, and those who apply in this way are of the best and most intel-

> EARLY VEGETABLES. Such crops as early peas ought to do most of their growing very early, and they need a good supply of nitrogen before there is of nitrate of soda in the row at planting time is a great help and will show all along in color and growth of vines. The same chemical will push along early turnips beets, spinach, cauliflower, cabbage, rhubarb and the like.

Some asparagus growers say that a spring dressing of nitrate pays them well, although it is hard to see how the chemical can affect the spring crop, since the sprouts are believed to be made up almost wholly from the food stored in the roots the previous season. Vegetables under glass should be growing rapidly as the days become longer. On bright days the heat may even be too intense inside the frame, and besides the usual air-ing it may be well to give the glass a thin coat of whitewash. Cabbages and other hardy plants may be transplanted as soon as large enough, leaving more room for the

other plants. The combination garden tools on wheel are a great convenience for all crops grown in narrow drills. By their accuracy and regularity they make the seed go a great deal further and with fewer gaps than by hand sowing, while the straight rows are much more easily tended throughout the tling down too hard and kill the weeds before large enough to clog the tool. A farmer who has tried a good, sharp wheel hoe on a large onion patch will not care to do the work by hand another season.

THE ORCHARD.

Grafting may still be done so long as the cions were taken early and have been well kept. In fact, with good sciens common cleft grafting can be done up to July. But the graft set about the time the buds are be under full control, and water is ready to start will make the best growth d image other land or even injure and be most likely to live. Pruning is, of dow itself by staying on too course, in season if not attended to before. Young trees should be planted as early as irs from a small stream, letting out possible to allow them time for a fair start er as needed. This supply may be before dry, hot weather. Chemicals and santy, but it is under fuil control. manure should be applied to trees if not done in March. If some of the young trees dand are flooded in this way. Still do not seem to be making a good growth a plan, more common West than handful of nitrate of soda will brace them to pump the required supply of up surprisingly. Examine for San Jose om a large stream, the wheels or scale and destroy small trees if infected. A sumps discharging directly into the young orchard that has been cropped for The expense of operation by this some years between the rows until crops of course, considerable.

It is pay because of lack of vege able be seen that a large amount of matter in the soil, should be sown to clover as late as the last of May, and if well cut back they will in most seasons live and make a small growth for the year.



See descriptive article.

properly fastened and covered with wire cloth may be shipped by express. Better start with a very few hives only and study the business in bee books. Bees should be taken from at least a couple of miles dis-tance or some of them will return.

It is surprising how many still use con iderable whole seed. They plant in hills wideapart, and drop perhaps a whole small potato and half of a large one to a hill. The result is a big per cent. of small, pig potatoes in the crop, besides a great waste of seed potatoes. Far better to plant only a season. After planting time the drill is taken off and the implement becomes a wheel hoe of various patterns. These hoes drive rather hard in stiff soil and should be used often to prevent the earth from setplan gives small hills, but big potatoes and lots of them, with very few to be picked out as waste. The seed tip should be cut off and thrown away, and the rest cut lengthwise to give one or two eyes to each p It is best to plant soon as possible after cutting. For early potatoes something may be gained by sprouting the potatoes in boxes in a warm, sunny room or in the pit of a

SETTING OUT TREES. Straight lines in an orchard will prove a lifelong satisfaction. An even start, careful measurement and the use of cross furrows will secure good alignment and also save work in setting. The furrowing and cross-furrowing will save much of the shoveling, particularly if the furrows are deepened with a subsoil plow. Make the holes large and fill about the tree with soft rich earth, but no manure close to the roots. Bruised roots should be trimmed and the tree branches cut back. In wet seasons, a well-rooted tree will sometimes thrive with-out cutting back, but such a method is on the average not desirable. Late-set trees, especially, need severe cutting back. Trees in storage can often be bought very cheap

much as possible about details of care. The safely estimated that there have been bebees, which should be Italian or part Italian, tween 1200 and 1300 cars of apples shipped may be brought home in a spring wagon, from the county this season. One buyer at tying a piece of cheesecloth over the end of Honesdale, the leading shipping station, the hive and plugging the entrances. Hives purchased from the growers 79,700 barrels, of which only a few thousand remain in cold storage, the bulk of the crop having been shipped to distant markets. The price paid ranged from seventy-five cents per barrel early in the season to \$1.50, the present price.

Many apples were frozen in the cel lars during the extreme cold weather of midwinter, and some farmers who held their apples and resorted them during January and February, found a large proportion of badly speckled and decayed fruit. The vast quantities of apples bar-reled, together with the many bushels ased for home consumption and marketed n nearby mining towns, give some idea of he greatness of the season's crop.

Wayne County orchards are not so thoroughly or so intelligently cared for as the vestern New York orchards. The farmers do not spray, and as a result many apples were imperfect and ought to have been evaporated instead of barreled. Careless packing by incompetent packers and indiscriminate mixing of varieties caused some just complaint from customers and injured the reputation of the county, which will require years of careful sorting and grading to wholly overcome. A large number of farmers have met with losses through the failure of buyers to keep the r contracts. Notwithstanding these disappointments, however, farmers are making extensive preparations to increase the production, and im prove the quality of the fruit and methods of handling it. They are removing worth-less trees from their orchards, reading the farm and horticultural journals, investigating the subject of fertilization and other opies relating to apple growing.

With the same attention given Wayne County orchards that is given those of western New York, this will develop into one of the best apple-producing sections in

the United States.

ELMER E. REYNOLDS. Wayne County, Pa.

The New Land Bill.

Ireland has been made by the force of circumstances an agricultural country, and it is useless now to cast reflections on the English competition which made manufactthat there is no friendship in trade, and, though this is a rather cynical remark, there is, perhaps, more truth than poetry in it. Be that as it may, it has been long understood that the majority of the people of Ireland got their living by farming under somewhat hard condi-tions. They were often at the mercy of spendthrift landlords, living out of the country, who entrusted the care of their property to exacting middlemen. These agents frequently extorted extravagant rents in unproductive seasons, and when the tenants made profitable improvements would lease the farms over their heads to higher bidders. There was little or no enouragement for a farmer to be thrifty couragement for a larmer to be thrity and forehanded, for if he made a holding valuable by incessant toil in turning bad land into good, the landlord, through his agent, would be likely to increase his rent.

The land bill, which Mr. Wyndham, the chief secretary for Ireland, introduced in the House of Commons on March 25 in behalf of the Balfour cabinet will, if it behalf of the Balfour cabinet will, if it becomes a law, do away with many of the
evils which the tenant farmers have so long
endured, not without, it must be confessed, a good deal of "kicking," which sometimes resulted in violations of law and order. It will be remembered that recently there was \$72.80. The yield averaging three thousand a land conference of representatives of land-lords and tenants, and that satisfactory conclusions were reached. These have been reproduced in the bill, and they provide, among other things, for the buying of the holdings by their occupants with money advanced by the imperial government. This is to be repaid in time, and in the meanwhile the English government will be relieved of a great expense by the reduction of the police service in Ireland. If the bill passes the House of Lords, the conservative branch of the British government, the law would become operative next November.

It must be stated that in addition to the leanthe Pritish government is expected to

It must be stated that in addition to the loan the British government is expected to give a free gift of \$60,000,000, to be used by the tenants in meeting the difference between the landlords' prices and what the tenants think they can afford to pay. The amount to be actually loaned to enable the tenants to buy the land will be in the neighborhood of \$500,000,000, which will be borrowed at 2½ per cent. This is a large sum of money which it will take many years to pay, but it is expected that it will not tax the British treasury too heavily considering the benefits that will result. Ireland has been rapidly losing its population through emigration in the last fifty years, and if it may keep the Irish people at home.

Milk Yield of Good Herds.

prospective farmer, J. 1. K., Dorches ter, Mass., inquires of the probable product and profit from a good milking herd. A herd of twelve cows "worth \$60 each, kept on a fairly good New England farm, in good clean barns in winter, with silage, a wellbalanced ration and intelligently cared for through the year" certainly ought to exceed J. I. K.'s estimate of five quarts per head the year round. This is 1825 quarts, and a herd which does not do better than that under liberal feeding must include some Milkmen, by occasionally exchanging a

spent cow for a fresh one, often keep the average well up to ten quarts. Some of them do this without changing cows to any extent. A Connecticut milkman of my acquaintance with forty cows, all bought of farmers, and none costing over \$55 fresh, has no cows averaging as low as your estimate. Several of them have given over nine thousand pounds per year, or over eleven quarts per day average, the quality also being well up to standard. His herd averages close to ten quarts per head. It would seem that any skilled buyer and feeder might do as well. Even if prices are high now, it is better to pay for good cows than to submit to a low average yield. The cost of keeping a cow is in the neighborhood of \$40 per year. The 1825-quart cow at three cents per quart would return \$54.75, or a profit of \$14.75. The 4500-quart cow would return \$135, or a profit of \$95. Nobody can very well buy a business herd which will be all of the best cows, and if he did, some of them would for one reason or another fail to do their best in any given year, but a shrewd buyer with cash in his pocket ought to have no great trouble in gathering together a herd of cows, ranging from 2500 to three thousand quarts per year right along. He should be content with nothing less, whatever the price received for the

One of few experimental farms which pay a large cash profit is the one at the New Jersey station conducted by Professor Voorhees, who recently stated that in the herd of thirty cows which was under his care, there were cows which ranged from four thousand to 12,500 pounds of milk a year, and the four thousand-pound cow probably ate as much feed as the better ones. The feed of a cow he reckons will cost \$40 to \$55 per year, and a cow giving five thousand pounds (about 2500 quarts) of milk annually about gives back the cost of keep, with her manure and society to boot. The bane of the dairyman today is the poor cow or machine and in no other business would a man keep and use a poor ma-

The high cost of keeping cows at the New Jersey farm and also the large yield of milk is partly due to very liberal feeding of grain and soiling crops. But cost and returns

would be less by the ordinary pasturage s stem. Dr. Voorhees buys the cows, super-intends the feeding and looks closely after the management of the retail route in which the milk is sold. He never offers to buy uring and commercial enterprises unprofit-able in the island. It has been said often vicinity of the farm that the professor is always ready to buy an extra good cow at a good price. The result of energetic, business-like management is that the college herd is one of the best and most profitable of its size in the State. The total cost of producing milk at this station, including food, labor, interest and depreciation, amounts to about 2j cents per quart. Few other producers have figured the cost so exactly and carefully, but most estimates come rather close to that of Professor

Voorhees, so far as the net cost is concerned and where good cows are kept.

Milkman Cushman of Middleboro, Mass., reaches his results in a different way, all the food given his cows being raised on the farm, so that the farm expenses are charged \$150, and tax and interest on this \$12; personal property for each cow \$50, and tax and repairs on this \$5; value of each cow quarts brings the cost to a little more than 21-3 cents per quart. With poorer cows Mr. Cushman could not meet his heavy expenses. Almost any book or paper on dairying contains accounts of the cost of production, and when everything is taken into consideration, the revised reckoning isusually two cents and some fraction per quart in the older States. As the net prices paid by creameries and milk contractors range very close to the estimates of cost, it will be seen that most milk producers are making very little money, and where poor cows are kept they are not receiving even the full market value of their hay, pasturage,

emigration in the last fifty years, and if poor cow in the hands of a poor manager, and turning out a poor product on a poor market, is one of the chief agents which nake some farming unprofitab

Massachusetts.

Western New York Notes.

Farmers are beginning to plow on some fields that are sloping and well drained. Many of the spring birds are here and have been since the first of the month. The season is fully a morth earlier than usual. Grass fields are getting quite green and wheat and rye are looking beautiful.

Just now roads are in bad condition but improving. Our rural free delivery mail carrier has not failed to make his trip since the first of last April when the route was established, except over a part of the route one day owing to the fault of the overseer of highways in failing to break out the road. This is certainly doing well on a route where before it was established some said it was practically impossible to deliver mail in the winter time. As time goes on it will doubtless be seen that farmers have enterprise enough to keep the roads broken out so that they may receive their mail daily. It is done in places where there is far mo

than we get here.

As the time for working the soil approaches, farmers naturally begin to look about to see where they can get the seeds they may want to sow and plant, and so the seedsmen's catalogues are really an inter-esting and useful publication. The most interesting one I have seen this year is from the house of Ross Bros., Worcester, Mass. Farmers ought to peruse it. Seed corn is scarce this year, but luckily the writer saved some fine seed corn last year for his own use, but none for sale.

The Brighton Grape.

This variety has often been termed the est of the red grapes. The claim is probably true for Northern climates, at least, as the Brighton ripens considerably earlier than most other good grapes. It can be successfully grown where the Concord fails to mature, and has the desirable character-istic of becoming fairly sweet and eatable before it has fully colored.

The flavor is delicious, vastly better than

that of the Concord and other early kinds, being sweet to the centre and free from rank or foxy qualities. The bunch is large and compact, the berry of medium size and light red in color. The vine is a good grower. It has weak points as a market grape, being much less productive than varieties like the Concord, and the color of bunch being rather light and uneven. For home use and choice local trade it is excel-lent. A few vines should be grown on every

Why should not the intelligent farm dog be classed as live stock? At least he often has a place at the very head and fore of the finest herds and flocks in the land.

March, march, march; the boys were

Dairy Products Steady.

n shows but few changes since last noted. Quotations average about as then recorded, a few fractional changes downward being nearly balanced by slightly firmer prices for other grades. Receipts of fresh made begin to show some increase, and the time of year is approaching when the output of creamery should be considerably larger. But as yet the supply is light, and the demand good, a little better perhaps than prevailed last week. In Boston the top price for large lots is 27 cents, and this is for a grade ed by only a small proportion of the receipts. The bulk of sales are made at 26 to 26 cents or lower. The supply of second demand. Much of the storage stock now almost every act of Parliament was framed on the sole idea of coercing the trade grade, and will not bring over 23 of the colonies toward Great Britain, es is liberal, and these are not in great cents. Dairy lots showing new milk whereby the mercancile community were in flavor sell at 24 to 25 cents. Export grades are not selling freely, the prices not being low enough to tempt shippers. Now and then a lot is picked for this purpose at 14 to 16 cents. Foreign markets are reported unchanged for export grades, and some American butter could, no doubt, be aken care of if the price were a little lower.

Prices at New York have ranged somewhat above the Boston level, best creamery being reported at 29 cents and even a fraction higher for a few fancy lots. Grades below the highest are not in special demand. The best cold storage now in stock brings 24 cents, but most of it rules lower on account of inferior quality. It is complained that much of the new creamery from north-ern New York is coming too heavily salted The supply of Western creamery is somewhat limited by the condition of roads, which hinder the delivery of milk and cream at the factories. It is believed that these conditions will improve within a fortnight, and that the supply from Western sources will by that time increase. Renovated butter is plenty, and most of it so poor that nobody cares to buy it.

Cheese holds as firm in price as ever, with the supply light on all grades. Now and ben sales of best grades are reported at a ttle above even the top quotation of 142

ents. Under grades bring full quotations. At New York the market shows no special features, demand being moderate and fairly satisfactory, full quotations being maintained. Exporters are willing to buy whenever suitable lots can be had, but holders are unwilling to encourage sales by making concessions. Winter-made cheese shows considerable variation in quality. Skims are in rather scanty supply and very firmly held. During the week from 1200 to 1500 boxes, mostly at 14 cents, have gone to exporters, and the amount actually sent abroad for the week was 2809 boxes.

Some interest has been excited amon the dealers by the new Western idea of making cheese in prints like butter: " More consideration in this direction seems to have been given in the past to butter than to se, and, excepting some high-priced small packages and jars, cheese is still generally made in large sizes, which are cut into awkward slices at grocery stores and sold by the pound.

"One of the most popular butter packages is the one-pound print. In some markets print butter is quoted at one eent or more above the ruling price of other butter, which may be of the same quality, but is put up in a less attractive package. This popularity of print butter shows that it is profitable to study the market demands regarding the shape and the appearance of dairy products, as well as their flavor, text-

"On account of the demand for print butter, the manufacturers and dealers in dairy supplies have designed a number of machines and appliances for economically moulding the butter into print forms. These machines vary somewhat in their construction and manipulation, but they all make the one-pound print of about the same dimensions-2½ by 2½ by 4½ inches. In some printthe mould into which the butter is pressed and this makes an impression in each print of some design or letter which has been selected as a brand or trade-mark by the manufacturer. So much attention has been given to the subject of butter printing that the details are now satisfactorily worked

"The favorable reputation which print butter has attained suggested the possibility of applying the idea to the manufacture of cheese. Why cannot cheese, as well as butter, be moulded into one-pound prints? After studying this question for two years, it is possible to say that this new form of ese can be made, and that it is received with much favor by the consumer. The first print cheese was made at the Wisconsin Dairy School during the winter of 1898-99. Since that time some of the details have been changed, but the general plan of the operation is the same as originally carried out. In so far as the cheese is concerned, no deviation has been made from the usual process of making cheddar cheese, except a modification in the pressing and the 'follower' used in the press."

None of this cheese seems yet to have reached the Eastern markets, and dealers appear somewhat doubtful of its reception, unless it be used to set a special quality of

Receipts at Boston for the week (54,740 pounds butter, 2037 boxes cheese, besides 277 boxes for export, and 58,571 cases eggs, compared with 656,958 pounds butter, 2100 boxes cheese, besides 5595 boxes cheese for export, and 39,204 cases of eggs during the same week of last year. Receipts for the month of April were 2,315,200 pounds butter, 8801 boxes cheese, besides 11,543 boxes cheese for export, and 115,911 cases of eggs. Compared with receipts during April, 1902, of 2,316,742 pounds butter, 8529 boxes cheese, besides 40,601 boxes cheese for export, and 100,667 cases of eggs.

Receipts at New York for the week 31,550 packages butter, 12,250 packages cheese, 136,500 cases eggs, compared with 29,090 packages butter, 12,157 packages cheese and 115,419 cases eggs for the corresponding week of last year.

New Sugar Scarce and High.

Considerable new sugar is on the market, but the high prices show its scarcity, small cakes being 14 to 20 cents a pound, and bricks sell at 12 to 15 cents. The best syrup is quoted at \$1 to \$1.25 per gallon.

The sugar orchards have now been tapped for over two weeks, the tapping having been done earlier than for several seasons on account of the early spring, but thus far only two good runs of sap have been secured. In order to have good runs of sap there must be frosty nights and warm days, and there has been very little of this kind of weather. The days have been warm enough, but the the colonies having little or nothing to do

frosty nights have been lacking.

The trees have begun to bud, and the cry of "No tax without representarmers say that even if the weather should tation," originally raised by James Otis

quality of the sugar would be decidedly in-ferior, because of the trees having budded. Many of the sugar-makers had made con-tracts, before the season began, to supply firms in the cities with large quantities of sugar, and to fulfill these contracts to the letter would be a practical impossibility Some sugar-makers have given up hope and are putting away their appara

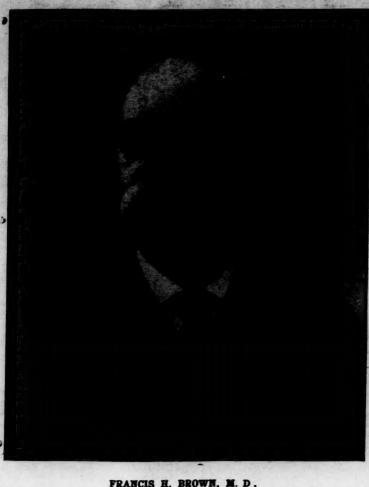
thing About the Stamp Act and th

BY BENJAMI (F. STEVENS After the capture of Canada by the Brit ish from the French in 1759, sixteen years prior to the Declaration of Independence, source of which was the passage of what was called the "Acts of Trade," when fiftyeight of the best-known merchants of Boston memorialized in General Court in opposition to the powers of the Crown, and asked that no "Writ of Assistance" be granted by which the Custom House officers could put in force those acts. The question was carried to the Supreme Court and James Otis, Jr., then occupying the office of advocate-general in the Court of Admiralty, resigned his office under the Crown and espoused the cause of the merchants to resist the Custom House authorities, and thus he began his career as a patriot. History tells us that " he burst forth as with a flame of fire in the force of his eloquence," seemed to indicate that the principles of freedom and independence were not to be controlled by kingly power; " that taxation without representation was tyranny," and if the colonies were not to be represented in Parliament they would not bear any of the expenses thereof. Notwithstandin ability of Otis, the Supreme Court decided in favor of the pretensions of the Crown and officers of the customs. James Otis, the patriot, was born in

Barnstable in 1725, graduated at Harvard, and was ever an eloqu nt, energetic and uncompromising advocate of the liberties of nies as against the harsh treatment of the Mother Country. His great speech in but of Colonial manufacture, or purchase 1761 against the Writ of Assistance has any new article for such an occasion but been described by John Adams, then in his twenty-sixth year, in language which is or should be familiar to every schoolboy in the land. So great was the animosity of the British against him that he was cowardly assaulted to such a degree that his reason ing faculties were injured for life. He was killed in 1783 by a flash of lightning on Boylston street, the remains being prewhile standing in a doorway in Andover, that year in which Great Britian acknowledged American independence, which he had done so much to secure. Probably no other one of the shining galaxy of patriotic men of Colonial times had the strength with the people that this great man had until his career was cut short by the myrmidons of the Crown. What he would have bee had his faculties been preserved to him must be left to the imagination, but so highly was he thought of as a man, so Boston, as well as to fill its harbor with patriotic, so courteous was he, it would the hearts of his countrymen.

In 1765 King George III. signed the Stamp Act, which levied a duty or tax of half a soldier having sixteen rounds of powder penny to twenty shillings on every piece of and shot. Another regiment marched to parchment or paper on which anything Brattle street, where the old City Hotel should be written or printed. The colonists through the length and breadth of the in Water and Congress streets. land were aroused to indignation; riots and laborers were afraid of being ensued, and in Boston, Andrew Oliver, the impressed, and every act of the Colonia secretary of the province, who was appointed distributer of the stamps, was of, but was coercion. The people, who had hung in effigy, and a boot (Lord Bute) with since Otis' time been fretful and almost a devil peeping out of it with the Stamp ready to grapple with the constituted Act in his hand, was found suspended on authorities, were now loud in their de-Liberty Tree, opposite where the Boylston nunciations of this last unwarrantable act market formerly stood. All business was of oppression. They, although not born to laid aside for the day, the people the purple, were just such men as kings could not be appeased and they proceeded in a large body to Kilby street imbecile head who adorned the British Oliver for his stamp office, and demolished it in the twinkling of an eye, bearing aloft a portion of the ruins to Fort Hill, where they made a bonfire of it in full view of Oliver's house, whereupon Brother Oliver, being somewhat frightened, declared he would not directly or indirectly introduce ble Englishmen; even Dr. Johnson himself any of the King's stamps into the market. And so the colonists won, the odious law being, by a change in the ministry, repealed. This was the first gun of the Revolution.

It may be of interest to our readers to know, if they are not already aware of the fact, that the term, "Sons of Liberty," as applied to those colonists who believed that taxation without representation was a bitter wrong, originated with Col. Isaac Barre, a British soldier and statesman, who was the intimate friend of, and fought with, General Wolfe when the latter defeated Montcalm on the Heights of Abraham, before Quebec. Barre occupies a prominent position in Benjamin West's famous painting of the "Death of Wolfe." After recovering from the wounds received in that battle in which General Wolfe was killed, he entered Parliament, and through the entire ministry of Lord North stood the firm friend of the colonists. The generous spirit of Colonel Barre shone conspicuously in his reply to Charles Townsend, who held that the colonies had been planted "by our care, nourished by our indulgence and protected by our arms," to which the friend of the colonies replied, "Remember this day I tell you, the same spirit of freedom which has ever actuated that people will accompany them still. The people, I believe, are as truly loyal as any subjects of the King; but a people jealous of their liberties and who will vindicate them if ever they should be violated." Later on Colonel Barre predicted that the course of the British ministry would lose the colonies to the Crown, which it did, and thus the most precious possessions of Great Britain passed into an independent nation. Passing over considerable history running rough a period of five years subsequent to the Stamp Act, which is exceedingly interesting but too long to be quoted here, we ne down to the year 1770, when another British aggression was forced upon the Boston people, giving rise to one of the most events in Colonial history, the Boston Massacre," about which we have all read so much, and have learned to look upon with so much awe and respect. The feelings of the colonists, it must be understood, were constantly being fomented by duties laid by Parliament upon articles of British manufacture, such as glass and colors and even tea, the product of the East, was included, the ministry claiming that these taxes were for the support of the colonies by granting salaries to the govjudges, and for appointing a ernors and permanent administration of the customs



President of the Massachusetts Society, Sons of the American Revolution.

ourage the use and consumption of all articles raised or made in the colonies, and not to purchase any of the enumerated articles imported from abroad. For instance, at funerals not to use any gloves those absolutely necessary. And so the bitterness toward the Mother Country grew, until, in an evil hour, the lad Christopher Snider, who may be said to have been the first victim of Royalist misrule, was killed by an informer, one Richardson. This little boy was buried from his father's house ceded by five hundred schoolboys, and the pall supported by six of his playmates, followed by thirteen hundred citizens on foot, the procession closing with a multitude But " the handwriting on the wall " could

ot, or would not, be expounded by the British ministry, who began, in utter ignorance of the popular feeling against tyranny and subjection, to draft or quarter regiments of soldiers upon the people of men-of-war. A detachment of the Fiftyseem he must have had the highest place in ninth Regiment and a train of artillery with two guns, landed on Long wharf and marched up King (now State) street, each formerly stood; and another had quarters an ob pigmy, who allowed his precious colonies, the best part of his possessions, to slip through his fingers, never to be regained (for which see Thackeray's "History of the Four Georges"). Why, there seemed to be a curse even upon those thought to be sensione of the greatest of minds, wrote such silly pamphlets about the colonies and their adherence to the Crown that one wonders at his want of knowledge of men of the day. The people of the colonies and their cause were not understood, and the people never have been understood when the murmur is heard which always goes before a storm.

And so the British troops occupied the streets of Boston. Let us turn to the Boston Gazette of March 12, 1770, seven days after the troops fired upon the multitude in King street. The paper is surrounded with a black border, and, besides a most interesting ecount of the tragedy, contains the representation of four coffins, each with skull and cross bones, one marked S. G. (Samuel Gray), another S. M. (Samuel Maverick). a third J. C. (James Caldwell) and the fourth C. A. (Crispus Attucks). The last two were strangers, Attucks having been born in Framingham, and Caldwell apparently unknown. Maverick was a lad of seventeen years, while Gray was somewhat older. There were, besides, seven or more dangerously wounded. That the soldiers who fired upon the multitude may have had some provocation is not to be denied, but the authorities had warning enough that there was danger in the air through the inter vention of such men as James Otis, Thomas Cushing, John Hancock and Sam Adams. The whole affair was the sad result of quartering troops among citizens in time of eace, under the pretence of supporting the laws and aiding civil authority. In reality these regiments were here to enforce oppressive measures and to awe and control the legislative and executive powers of the British government, to say nothing of endeav-oring to quell the spirit of liberty. The patriots of that day, foremest among whom were those we have mentioned, were far-sighted men, who thought it their duty to try all means to avoid trouble, and they did try by all the representations in their power but Gov. Francis Bernard and his coadjutors would not be convinced. The troops were allowed to remain, and the men-of-war stayed in the harbor until they had occasion to run down to Halifax for a new lot of red coats. The soldiery had had some trouble with the citizens on a prior occasion, but it was not until the evening of the fifth of March that what is now known as the "Boston Massacre" took place. On that evening several soldiers of the Twenty-ninth Regiment paraded the streets with drawn cutlasses and bayonets, abusing and wounding numbers of the inhabitants. About nine o'clock, four youths, perhaps from sixteen to twenty years old, came down Cornhill, and while they

whereupon the people of Boston resolved to which he struck fire plentifully. One of the for the sword, whereupon the soldier turned about and struck him with it over the arm. and dashed at another, piercing his clothes and grazing the skin. One of the youths then struck the soldier with a short stick. and soon the noise brought soldiers and citizens together, and there was a general fight, no one being, however, much hurt. Then the soldiers, with the citizens, who had gathered without the slightest intention of engaging in a riot, turned down Cornhill into King street, when they met Captain Preston with a party of men with charged bayonets, who had come (probably upon hearing the noise) from the commissioner's house. They took their stand by the Custom House, which was then where the Merchants Bank is now, and began to drive the people away, whereupon it is said that some threw snowballs at the soldiers. It is very likely they did, if, as we have reason to believe, there were lads among them. Upon another volley of snowballs being thrown, the order was given to fire, and about eleven guns were discharged, and the dead and wounded lay in a heap. The old engraving by Paul Revere doubtless gives a very accurate description of the locality, the buildings, and, in fact, the

whole scene as it occurred on that night. The news of the "massacre," as it was called, spread like wild fire: the bells were rung, and a vast multitude assembled at the place of the tragical scene. While some took care of the dead and wounded, the rest were in consultation; but so little intimidated were they that, when the Twenty-ninth Regiment marched up King street, these patriots kept their station. As expressed by an officer, "They were ready to run upon the very muzzles of our muskets." authorities at once went into the Town House, where a considerable body of the people appeared and expressed themselves with a freedom and warmth beto the lieutenant-governor that the regthe neutenant-governor that the reg-iment under arms should be ordered to the harracks to prevent further blood. Invites a sequel, as one feels that in such a shed, which was done. Captain Preston and the soldiers who were known to have fired were committed to jail. They were tried in the following October, and defended by those eminent patriots, John Adams and Josiah Quincy, and all but two were acquitted. These two were convicted of manslaughter, branded, and sent to Castle Island. From 1770 to 1783, inclusive, the day was celebrated by an oration, tolling the bells, etc.

The occasion of the funeral of the victims of this massacre—Samuel Gray, Samuel Maverick, "the only son of his nother, and she a widow," James Caldwell and Crispus Attucks—is said to have been a most solemn occasion. All the shops n town were closed, and all the bells in the city, as well as those in Charlestown, Roxbury, Dorchester, etc., tolled a solemn peal. The procession began to move between four and five in the afternoon. The two strangers, Caldwell and Attacks, were borne from Fancuil Hall attended by a numerous train, and the other two, Gray and Maverick, one from the house of his brother, Benjamin Gray, on the north side of the Exchange, and the other from the house of his widowed mother on Union street. The several hearses formed a union on King street, where the dreadful tragedy had occurred, whence they were preceded by an immense throng of people, not only from the city, but from the neighboring towns, in ranks of six, and followed by a long train of carriages. The Middle Burying Ground, now the Granary, opposite Bromfield street, in Tremont street here the remains now rest. May it be a long time before the event of

'The Boston Massacre' is banished from the mind of the patriotic youth of our coun-

Literature. Mrs. Humphrey Ward presents in her atest book, "Lady Rose's Daughter," an old, yet ever formidable truth, namely, that the sins of the fathers are visited upon the children. The story opens with the introduction of Miss Le Breton, who is the llegitimate daughter of Lady Rose, who forsook her position in one of the fine old English families of rank, and left her husband for a wandering Bohemian artist, who loved independence above all else. Mrs. Ward tells us that these two live happily n poverty and worldly disgrace, bringing into the world a daughter, who, orphaned at an early age, is left to battle for herself. This girl, having taken the name of Miss Le Breton, secures a position as a compan ion to Lady Somerset, and at her salon meets and comes to know many of her relatives. We are told that this Miss Le Breton feels no shame at the position came down Cornhill, and while they her parents took; instead she possesses were passing a narrow alley leading into the instinct of intrigue to such a degree farmers say that even if the weather should change and good runs of sap be secured, the years before, had not been forgotten;



It is because of the latter, a sort of worthless fellow, who is willing, because of m to accept a position in the world from woman when he is engaged to another, that is the undoing of Miss Le Breton. It nearly results in her dishonor, but she is saved by the true, generous love of an honest gentleman who in time wins her love and herself. The fine work in the novel is the skill exlibited by Mrs. Ward in the deve of her heroine, from a haughty, intriguing, selfish girl, to a broken, humble woman, rising through the help of the great love of the man who saves her, first from dishonor and secondly from herself. Her character is difficult to understand. One must remem-ber her parents and their dispositions, which could allow them to do and live as they did without remorse. Although the author leans to the safer side, that of conventionality and law, yet she does not preach against Lady Rose's act or condemn it. It is rather presented to us as if it were best not to ignore society's and religion's laws, but that love is unanswerable,—it is right when it is true. Some such teaching is set forth in Gertrude Atherton's "Senator North," where a girl loves a married man who secretly courts her, and is de-lighted when his wife's death sets him free o marry, although hitherto the respect of his sons and society at large holds him back. Such situations exist as we all know, but it were as well if the novelist did not use

them in such favorable lights. One likes better the somewhat stern teachings of selfrenunciation, duty and right. "Lady Rose's Daughter" is free from that hysterical emotion which marred "Eleanor," although some scenes savor of sensationalism. But, on the whole, the author has shown her power of psychological insight and her ability to express convincingly the struggles of a human soul. She shows each character true to its own peculiar traits, and never does she forget to exhibit each in its entire personality. Sir Wilfred in his role of general confidant and disinterested critic. Lady Henry in all her bitter-tempered bouseho tyranny, the child-like duchess with all her foolish yet unselfish devotion to Miss Le Breton and the two lovers, are all comprehensible and human; they are real, living, breathing people, to whom temptation is common. The book is a departure from Mrs. Ward's usual style which characterizes " David Grieve " and 'Robert Elsmere," two preaching novels. In " Lady Rose's Daughter " she does not sermonize at all, and although she has been accused of not inventing the main theme of her plot, yet one can but feel whatever has been taken has been thoroughly made the author's own, and that from the general storehouse of all literature, Mrs. Ward has not overstepped her rights. The book captures the interest at once and holds it to the end. The conclusion does not seem like coming the occasion. The people insisted a natural finish to a story, but rather the fortunes of the heroine are followed so far, position as she has long coveted, Miss Le Breton would develop some interesting situations. | New York: Harner & Brothers.

A volume of verse by Lucia Gray Swett bearing the title "Sisters of Reparatrice." will make a most acceptable Easter offering. The opening poem, from which the book takes its name, describes the life of a sisterhood in Genoa which, Donadio, a celebrated prima donna, joined many years ago. Her singing for awhile attracted great crowds to the chapel of the convent, but was discontinued because the Marquis of Reggio, the late archbishop of Genoa, disapproved of the notice it attracted. The poet, in referring to the noted singer, says:

One among the many voices, Sweeter, higher yet would soar. And we said, "'T is Donadio, Hark, she sings as ne'er before."

Yes, it was the Donadio, Often had we heard her name: How she turned from many a triumph, Left applause, success and fame,

All the glamour of the footlights, Dazzling stage and brilliant halls. For the shadow and the silen Of the sombre convent walls.

Some of the other poems in the volume have a quaint, old-fashioned air that makes them pleasant pictures of a time when ex ce was less strenuous than it is today and when manners were courtly and picturesque. One, "The Old Brocade," takes us k to the ball given in Salem for General Wahington in 1789. Another says of "The Girl of Other Days":

> How often I have watched her stand. Upon a Sabbath morn, Her hymn-book in her little hand, Her pretty gown of lawn. The neatly folded India shawl,

The bounet edged with lace,— something sacred over all A something sacred over Reflected in her face! "Our Cups of Tea " is a pleasant anticipation of a refined and quiet old age: We'll dress in gowns of silv'ry gray, Of pink and blue in caps of lace,

Our muslin kerchiefs wondrous fine. With pins and pearls in quaint design, And bright old ladies we will be, And gossip o'er our cups or tea. The other poems in the volume show a licate fancy, and their thoughts are simply and melodiously expressed. Here is a little bit that will soon be seaso

Joyous children with glad voices As they carols sing today, Seem to hear the angel's anthem, Almost see the golden way.

But for souls with sorrow laden, There's a song no glad heart hears, Easter's blest, most wondrous glory Shine for eyes that look through tears.

The book will please all who wish to escape a while from the turmoil of the world. It is both restful and inspiring. Boston: Lee & Shepard. Price, 80 cents

Dopular Science.

-The milky sea, as it is known to yet fully understood. It seems to non in the tropical waters of the ocean, and is described as weird, ghainspiring, and as giving the obser-board the sensation of passing through inous fog in which sea and sky see non is probably due to some

-From seven diamonds-weighing from to twenty-one carats-that have been in Wisconsin and adjoining States Pro-H. Hobbs traces the diamond fields of America to the volcanic region of the Ca wilderness, south of Hudson bay. The known matrix of the diamond is the black or "blue ground"-around the necks of out volcanoes. The loose stones found s have been transported by glaciers, and on ing up the probable courses of these ancie rivers the lines converge in the barren territor

--- Excessive muscular development nounced by an experienced physician to be not only unnecessary, but positively dangerous. On ceasing athletic training, which every person must do sooner or later, the system adapts itself very slowly to new conditions, and digestive and very slowly to new conditions, and digestive and liver troubles are very liable to follow. The great langs, not needed in sedentary work, de-generate, often leading to consumption.

-The late surveys of the English coast show a loss of land of forty thousand acres since 180 although in some places as at New Romney, the solid ground has been pushed out two miles or more in the sea.

-By his method o feeding through the stems instead of the roots, S. A. Mokrshezki, the Russian entomologist, believes that trees and plants can be cured of disease and greatly stimuated in growth. His special apparatus tended to introduce salts of iron-either solid of n-into apple and pear trees, and he has used it for applying chemical treatment to eight hundred fruit trees on the southern shore of the Crimea. The weak and diseased condition the trees was remedied, while an unusual devel-opment followed. An important new field seems to be opened up, and the possible effects of varied istered to different plants in this dietary, adm

Gems of Thought.

.... Eternal life is not a thing that we are to get

.... The true moment at which to call upon one's self to take any new step in virtue is at the fainting-point, when it would be so easy to drop and give all up; when, if you do not, you make yourself a power.—J. F. W. Ware. Seen from outside, many forms of han

life seem coarse, repulsive and unbearable, which, seen from the inside, seem tolerable and pleasant. -Christian Register.

....Tomorrow! How often we say that when a colution is taken or a purpose designed, and how mockingly Fate laughs back at or as if, to the cowardly, there ever is a to morrow!

....What a vast proportion of our lives is spent in anxious and useless forebodings concerning ones. Present joys, present blessings slip we miss half their flavor, and all for want of in Him who provides for the tiniest insect in sunbeam. Oh, when shall we learn the sweet trust in God that our little children tell us day by their confiding faith in us? We, who so mutable, so faulty, so irritable, so un He, who is so watchful, so pitiful, so loving forgiving? Why cannot we, slipping our into His each day, walk trustingly over that day appointed path, thorny or flowery, crooked traight, knowing that evening will bring us sleep, peace and home?-Phillins Brooks

etimes there comes an hour of calm Grief turns to blessing, pain to balm A Sower that works ah Still leads me onward, upward still: And then my heart attains to this-To thank thee for the things I miss.

.... Emerson says, "Though ministers justice and power fail, yet justice and pow never." That is to say, those who endea interpret justice and power, to define the may fail in their interpretations, err definitions; yet justice, power and tru eternal trinity of God, fail never. They the same yesterday, today and forever. strength for many days.—W. D. Little.
....Open thy mouth, judge righteously
plead the cause of the poor and needy.

.The sweetest season of all the year Is the time when the swallows and spi And the heart's-ease blossoms for hear

Burst forth from green to white.A nobie and attractive every-day omes of goodness, of sincerity, of ref

and these are bred in years, not mo Bishop T. D. Huntington. He only really lives whose interest neath the surface, who has gone up heights and down into the depths, who beats in unison with the great heart of who weeps for the world's pain, and its sins, who has tasted the fullness of

love, who has swelled with mighty he The know-nothing, the do-nothing larkness and in ineffable distress.

Parker. The Holy Supper is kept indeed, In whatso we Not what we give, but what we For the gift without the giver is bar Who gives himself, with his alms feed Himself, his hungering neighbor at

.. There are no failures in life. Fi point of view of the world, it is true, son greatest successes are counted failures from the point of view of Heaven, some greatest failures are called successes strictly speaking, from the point of view and effect, in a world which has eternal in the heart of it, there are no failures. We living souls the measure of our sowing. what we ask. We are the spiritual offsp

Removed Bony Growth of Three Vars Standing.

CARROLL, MR., Jan. 22, 1 The Lawrence-Williams Company, Cleveland I used one bottle of your Gombault's Can Balsam on two bone bunches on horses. three years standing. It removed them both. I consider it one of the best things on the market for man and beast.

C. W. DANFORTH.

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yield when nanaged n up of ab nashed fin amount ho poonful of ginger one cand into th mash is as This mixed each by m dlings, bra meal, a scool in turn into

Dairy Products Steady.

The situation shows but few changes since last noted. Quotations average about as then recorded, a few fractional changes downward being nearly balanced by slightly firmer prices for other grades. Receipts of fresh made begin to show some increase, and the time of year is approaching when the output of creamery should be consid-erably larger. But as yet the supply is light, and the demand good, a little better perhaps than prevailed last week. In Boston the top price for large lots is 27 cents, and this is for a grade reached by only a small proportion of the receipts. The bulk of sales are made at 26 to 261 cents or lower. The supply of second grades is liberal, and these are not in great demand. Much of the storage stock now remaining is not of the very highest grade, and will not bring over 23 of the colonies toward Great Britain, flavor sell at 24 to 25 cents. Export grades are not selling freely, the prices not being low enough to tempt shippers. Now and then a lot is picked for this purpose at 14 to 16 cents. Foreign markets are reported unchanged for export grades, and some American butter could, no doubt, be aken care of if the price were a little lower.

Prices at New York have ranged somewhat above the Boston level, best creamery being reported at 29 cents and even a frac tion higher for a few fancy lots. Grades below the highest are not in special demand. The best cold storage now in stock brings 24 cents, but most of it rules lower on account of inferior quality. It is complained that much of the new creamery from northern New York is coming too heavily salted The supply of Western creamery i: somewhat limited by the condition of roads, which hinder the delivery of milk and cream at the factories. It is believed that these conditions will improve within a fortnight, and that the supply from Western sources will by that time increase. Renovated butter is plenty, and most of it so poor that nobody

cares to buy it. Cheese holds as firm in price as ever, with the supply light on all grades. Now and hen sales of best grades are reported at a ttle above even the top quotation of 143

ents. Under grades bring full quotations. at New York the market shows no special features, demand being moderate and fairly satisfactory, full quotations being maintained. Exporters are willing to buy whenever suitable lots can be had, but holders are unwilling to encourage sales by making concessions. Winter-made cheese shows considerable variation in quality. Skims are in rather scanty supply and very firmly held. During the week from 1200 to 1500 boxes, mostly at 14 cents, have gone to exporters, and the amount actually sent abroad for the week was 2809 boxes.

Some interest has been excited among the dealers by the new Western idea of making cheese in prints like butter: " More consideration in this direction seems to have been given in the past to butter than to cheese, and, excepting some high-priced small packages and jars, cheese is still generally made in large sizes, which are cut into awkward slices at grocery stores and sold by the pound.

"One of the most popular butter packages is the one-pound print. In some markets print butter is quoted at one cent or more above the ruling price of other butter, which may be of the same quality, but is put up in a less attractive package. This popularity of print butter shows that it is profitable to study the market demands regarding the shape and the appearance of dairy products, as well as their flavor, texture and other qualities.

"On account of the demand for print butter, the manufacturers and dealers in dairy supplies have designed a number of machines and appliances for economically moulding the butter into print forms. These machines vary somewhat in their construction and manipulation, but they all make the pound print of about the same dimensions-21 by 21 by 41 inches. In some printers a carved board is placed on one side of the mould into which the butter is pressed and this makes an impression in each print of some design or letter which has been selected as a brand or trade-mark by the manufacturer. So much attention has been given to the subject of butter printing that the details are now satisfactorily worked

out.
"The favorable reputation which print butter has attained suggested the possibility of applying the idea to the manufacture of cheese. Why cannot cheese, as well as butter, be moulded into one-pound prints? After studying this question for two years, it is possible to say that this new form of cheese can be made, and that it is received with much favor by the consumer. The first print cheese was made at the Wisconsin Dairy School during the winter of 1898-99. Since that time some of the details have been changed, but the general plan of the operation is the same as originally carried out. In so far as the cheese is concerned, no deviation has been made from the usual process of making cheddar cheese. the 'follower' used in the press.'

None of this cheese seems yet to have reached the Eastern markets, and dealers appear somewhat doubtful of its reception, unless it be used to set a special quality of

Receipts at Boston for the week [54,740 pounds butter, 2037 boxes cheese, besides 277 boxes for export, and 58,571 cases eggs, compared with 656,958 pounds butter, 2100 boxes cheese, besides 5595 boxes cheese for export, and 39,204 cases of eggs during the same week of last year. Receipts for the month of April were 2,315,200 pounds butter, 8801 boxes cheese, besides 11,543 boxes cheese for export, and 115,911 cases of eggs. Compared with receipts during April, 1902, of 2,316,742 pounds butter, 8529 boxes cheese, besides 40,601 boxes cheese for export, and 100,667 cases of eggs.

Receipts at New York for the week 31,550 packages butter, 12,250 packages cheese. 136,500 cases eggs, compared with 29,09 packages butter, 12,157 packages cheese and 115,419 cases eggs for the corresponding week of last year.

New Sugar Scarce and High.

Considerable new sugar is on the market, sell at 12 to 15 cents. The best syrup is ted at \$1 to \$1.25 per gallon.

The sugar orchards have now been tapped done earlier than for several seasons on account of the early spring, but thus far only order to have good runs of sap there must colonies by granting salaries to the gov-be frosty nights and warm days, and there ernors and judges, and for appointing a has been very little of this kind of weather

quality of the sugar would be decidedly in-ferior, because of the trees having budded. Many of the sugar-makers had made contracts, before the season began, to supply firms in the cities with large quantities of sugar, and to fulfill these contracts to the sugar, and to fulfill these con letter would be a practical impossibility. Some sugar-makers have given up hopes and are putting away their apparatus.

Patriotic Memories. omething About the Stamp Act and th Boston Massacr

BY BENJAMI I F. STEVENS. After the capture of Canada by the British from the French in 1759, sixteen years prior to the Declaration of Indepe almost every act of Parliament was frame and will not bring over 23 whereby the mercantile community were in Dairy lots showing new milk whereby the mercantile community were in a constant state of trouble, a memorable source of which was the passage of what was called the "Acts of Trade," when fiftyeight of the best-known merchants of Boston memorialized in General Court in opposition to the powers of the Crown, and asked that no "Writ of Assistance" be granted by which the Custom House officers could put in force those acts. The question was carried to the Supreme Court and James Otis, Jr., then occupying the office of advocate-general in the Court of Admiralty, resigned his office under the Crown and espoused the cause of the merchants to resist the Custom House authorities, and thus he began his career as a patriot. History tells us that " he burst forth as with a flame of fire in the force of his eloquence," which seemed to indicate that the principles of freedom and independence were not to be controlled by kingly power; "that taxation without representation was tyranny," and if the colonies were not to be represented in Parliament they would not bear any of the expenses thereof. Notwithstanding the ability of Otis, the Supreme Court decided in favor of the pretensions of the Crown d officers of the customs.

James Otis, the patriot, was born in Barnstable in 1725, graduated at Harvard, and was ever an eloqu nt, energetic and uncompromising advocate of the liberties of the colonies as against the harsh treatment of the Mother Country. His great speech in 1761 against the Writ of Assistance has been described by John Adams, then in his twenty-sixth year, in language which is or should be familiar to every schoolboy in the land. So great was the animosity of the British against him that he was cowardly assaulted to such a degree that his reason ing faculties were injured for life. He was killed in 1783 by a flash of lightning while standing in a doorway in Andover, that year in which Great Britian acdence, which knowledged American indepen he had done so much to secure. Probably no other one of the shining galaxy of patriotic men of Colonial times had the strength with the people that this great man had until his career was cut short by the myrmidons of the Crown. What he would have become had his faculties been preserved to him must be left to the imagination, but so highly was he thought of as a man, so patriotic, so courteous was he, it would eem he must have had the highest place in the hearts of his countrymen.

In 1765 King George III, signed the Stamp Act, which levied a duty or tax of half a penny to twenty shillings on every piece of parchment or paper on which anything Brattle street, where the old City Hotel should be written or printed. The colonists through the length and breadth of the land were aroused to indignation; riots and laborers were afraid of being ensued, and in Boston, Andrew Oliver, the secretary of the province, who was appointed distributer of the stamps, was of, but was coercion. The people, who had hung in effigy, and a boot (Lord Bute) with since Otis' time been fretful and almost a devil peeping out of it with the Stamp ready to grapple with the constituted Act in his hand, was found suspended on authorities, were now loud in their de-Liberty Tree, opposite where the Boylston nunciations of this last unwarrantable act market formerly stood. All business was of oppression. They, although not born to laid aside for the day, the people the purple, were just such men as kings could not be appeased and they pro-ceeded in a large body to Kilby street imbedile head who adorned the British eeded in a large bod to a building supposed to be intended by Oliver for his stamp office, and demolished it in the twinkling of an eye, bearing aloft best part of his possessions, to slip through a portion of the ruins to Fort Hill, where they made a bonfire of it in full view of Oliver's house, whereupon Brother Oliver, Georges"). Why, there seemed to be a being somewhat frightened, declared he would not directly or indirectly introduce any of the King's stamps into the market. And so the colonists won, the odious law being, by a change in the ministry, repealed. This was the first gun of the Revolution. It may be of interest to our readers to

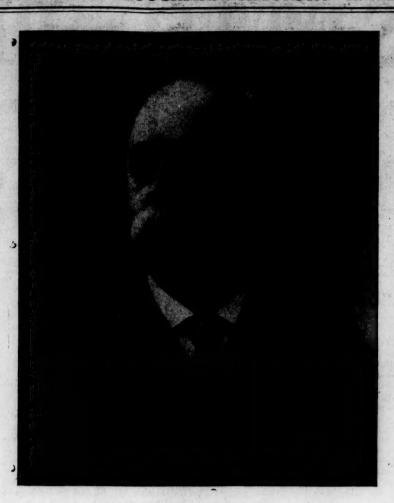
know, if they are not already aware of the fact, that the term, "Sons of Liberty," as applied to those colonists who believed that taxation without representation was a bitter wrong, originated with Col. Isaac Barre, a British soldier and statesman, who was the intimate friend of, and fought with, General Wolfe when the latter defeated Montcalm on the Heights of Abraham, before Quebec. Barre occupies a prominent position in Benjamin West's famous painting of the "Death of Wolfe." After recovering from the wounds received in that battle in which General Wolfe was killed, he entered Parliament, and through the entire ministry of Lord North stood the firm friend of the colonists. The generous spirit of Colonel Barre shone conspicuously in his reply to Charles Townsend, who held that the colonies had been planted "by our care, nourished by our indulgence and protected by our arms," to which the friend of the colonies replied, "Rememper this day I tell you, the same spirit of freedom which has ever actuated that people will accompany them still. The people, I believe, are as truly loyal as any subjects of the King; but a people jealous of their liberties and who will vindicate them if ever they should be violated." Later on Colonel Barre predicted that the course of the British ministry would lose the colonies to the Crown, which it did, and thus the most precious possessions of Great Britain passed into an independent nation.

Passing over considerable history running hrough a period of five years subsequent to the Stamp Act, which is exceedingly interesting but too long to be quoted here, we ome down to the year 1770, when another British aggression was forced upon the Boston people, giving rise to one of the most dramatic events in Colonial history, the Boston Massacre," about which we have but the high prices show its scarcity, small all read so much, and have learned to look stayed in the harbor until they had occasion cakes being 14 to 20 cents a pound, and bricks upon with so much awe and respect. The feelings of the colonists, it must be understood, were constantly being fomented by duties laid by Parliament upon articles of for over two weeks, the tapping having been | British manufacture, such as glass and colors and even tea, the product of the East, was included, the ministry claiming two good runs of sap have been secured. In | that these taxes were for the support of the permanent administration of the customs The days have been warm enough, but the the colonies having little or nothing to do' frosty nights have been lacking.

The trees have begun to bud, and the farmers say that even if the weather should tation," originally raised by James Otis

with their own government. But the came down Cornhill, and while they were passing a narrow alley leading into the instinct of intrigue to such a degree that she becomes a vulgar schemer for her lover.

Brattle street, they saw a soldier branch of the complex of the co



FRANCIS H. BROWN, M. D. President of the Massachusetts Society, Sons of the American Revolution.

whereupon the people of Boston resolved to ncourage the use and consumption of all articles raised or made in the colonies, and not to purchase any of the enumerated articles imported from abroad. For instance, at funerals not to use any gloves but of Colonial manufacture, or purchase any new article for such an occasion but those absolutely necessary. And so the bitterness toward the Mother Country grew, until, in an evil hour, the lad Christopher Snider, who may be said to have been the first victim of Royalist misrule, was killed by an informer, one Richardson. This little boy was buried from his father's house on Boylston street, the remains being preceded by five hundred schoolboys, and the pall supported by six of his playmates, followed by thirteen hundred citizens on foot, the procession closing with a multitude

of vehicles But " the handwriting on the wall " could not, or would not, be expounded by the British ministry, who began, in utter igorance of the popular feeling against tyranny and subjection, to draft or quarter regiments of soldiers upon the people of Boston, as well as to fill its harbor with men-of-war. A detachment of the Fiftyninth Regiment and a train of artillery with two guns, landed on Long wharf and marched up King (now State) street, each soldier having sixteen rounds of powder and shot. Another regiment marched to in Water and Congress streets. impressed, and every act of the Colonial government not only had the appearance

government, an obstinate, bull-headed pigmv, who allowed his precious colonies, the his fingers, never to be regained (for which see Thackeray's "History of the Four curse even upon those thought to be sensible Englishmen: even Dr. Johnson himself. one of the greatest of minds, wrote such silly pamphlets about the colonies and their adherence to the Crown that one wonders at his want of knowledge of men of the day. The people of the colonies and their cause were not understood, and the people never have been understood when the murmur is heard which always goes before a storm.

And so the British troops occupied the streets of Boston. Let us turn to the Boston Gazette of March 12, 1770, seven days after the troops fired upon the multitude in King street. The paper is surrounded with a black border, and, besides a most interesting account of the tragedy, contains the representation of four coffins, each with skull and cross bones, one marked S. G. (Samuel Gray), another S. M. (Samuel Maverick), a third J. C. (James Caldwell) and the fourth C. A. (Crispus Attucks). The last two were strangers, Attucks having been born in Framingham, and Caldwell apparently unknown. Maverick was a lad of seventeen years, while Gray was somewhat older. There were, besides, seven or more dangerously wounded. That the soldiers who fired upon the multitude may have had some provocation is not to be denied, but the authorities had warning enough that there was danger in the air through the intervention of such men as James Otis, Thomas Cushing, John Hancock and Sam Adams. The whole affair was the sad result of quartering troops among citizens in time o peace, under the pretence of supporting the laws and aiding civil authority. In reality these regiments were here to enforce oppressive measures and to awe and control the legislative and executive powers of the British government, to say nothing of endeavoring to quell the spirit of liberty. The patriots of that day, foremest among whom were those we have mentioned, were far-sighted men, who thought it their duty to try all means to avoid trouble, and they did try by all the representations in their power, but Gov. Francis Bernard and his coadjutors would not be convinced. The troops were allowed to remain, and the men-of-war to run down to Halifax for a new lot of red coats. The soldiery had had some trouble but it with the citizens on a prior oc was not until the evening of the fifth of March that what is now known as the

which he struck fire plentifully. One of the lads admonished one of the others to look out for the sword, whereupon the soldier turned about and struck him with it over the arm and dashed at another, piercing his clothes and grazing the skin. One of the youths then struck the soldier with a short stick, and soon the noise brought soldiers and citizens together, and there was a general fight, no one being, however, much hurt. Then the soldiers, with the citizens, who had gathered without the slightest inten-tion of engaging in a riot, turned down Cornhill into King street, when they met Captain Preston with a party of men with charged bayonets, who had come (probably upon hearing the noise) from the commissioner's house. They took their stand by the Custom House, which was then where the Merchants Bank is now, and began to drive the people away, whereupon it is said that some threw snowballs at the soldiers. It is very likely they did, if, as we have reason to believe, there were lads among them. Upon another volley of snowballs being thrown, the order was given to fire; and about eleven guns were discharged, and the dead and wounded lay in a heap. The old engraving by Paul Revere doubtless gives a very accurate description of the locality, the buildings, and, in fact, the whole scene as it occurred on that night.

The news of the "massacre," as it was called, spread like wild fire; the bells were rung, and a vast multitude assembled at the place of the tragical scene. While some took care of the dead and wounded, the rest were in consultation; but so little intimidated were they that, when the Twenty-ninth Regiment marched up King street, these patriots kept their station. As expressed by an officer, "They were ready to run upon the very muzzles of our muskets." The authorities at once went into the Town House, where a considerable body of the iment under arms should be ordered to the barracks, to prevent further bloodshed, which was done. Captain Preston and the soldiers who were known to have fired were committed to jail. They were tried in the following October, and defended by those eminent patriots, John Adams and Josiah Quincy, and all but two were acquitted. These two were convicted of manslaughter, branded, and sent to Castle Island. From 1770 to 1783, inclusive, the day was celebrated by an oration, tolling the bells, etc. The occasion of the funeral of the vic-

tims of this massacre—Samuel Gray, Samuel Maverick, "the only son of his mother, and she a widow," James Caldwell and Crispus Attucks—is said to have been a most solemn occasion. All the shops in town were closed, and all the bells in the city, as well as those in Charlestown, Roxbury, Dorchester, etc., toiled a solemn peal. The procession began to move between four and five in the afternoon. The two strangers, Caldwell and Attucks, were borne from Faneuil Hall attended by a numerous train, and the other two, Gray and Maverick, one from the house of his brother, Benjamin Gray, on he north side of the Exchange, and the other from the house of his widowed mother on Union street. The several hearses ormed a union on King street, where the dreadful tragedy had occurred, whence they were preceded by an immense throng of eople, not only from the city, but from the eighboring towns, in ranks of six, and followed by a long train of carriages. The odies were deposited in one vault in the Middle Burying Ground, now the Granary, opposite Bromfield street, in Tremont street where the remains now rest.

May it be a long time before the event of 'The Buston Massacre" is banished from the mind of the patriotic youth of our country.

Literature. Mrs. Humphrey Ward presents in her atest book, "Lady Rose's Daughter," an old, yet ever formidable truth, namely, that the sins of the fathers are visited upon the children. The story opens with the introduction of Miss Le Breton, who is the llegitimate daughter of Lady Rose, who forsook her position in one of the fine old English families of rank, and left her husband for a wandering Bohemian artist, who oved independence above all else. Mrs. Ward tells us that these two live happily in poverty and worldly disgrace, bringing March that what is now known as the into the world a daughter, who, orphaned at an early age, is left to battle for herself. evening several soldiers of the Twenty-ninth This girl, having taken the name of Mis Regiment paraded the streets with drawn cutlasses and bayonets, abusing and ion to Lady Somerset, and at her salon wounding numbers of the inhabitants.

About nine o'clock, four youths, perhaps from sixteen to twenty years old, came down Cornhill, and while they were passing a narrow alley leading into

Breattle street they saw a soldiar heardish. change and good runs of sap be secured, the years before, had not been forgotten; ing a broad sword against the walls, out of own advancement and also that of her lover. net.]



It is because of the latter, a sort of worthless fellow, who is willing, because of money o accept a position in the world from woman when he is engaged to another, that is the undoing of Miss Le Breton. It nearly results in her dishonor, but she is saved by the true, generous love of an honest gentle-man who in time wins her love and herself. The fine work in the novel is the skill exhibited by Mrs. Ward in the developmen of her heroine, from a haughty, intriguing, selfish girl, to a broken, humble woman, rising through the help of the great love of the man who saves her, first from dishonor and secondly from herself. Her character is difficult to understand. One must remember her parents and their dispositions. which could allow them to do and live as they did without remorse. Although the author leans to the safer side, that of conventionality and law, yet she does not preach against Lady Rose's act or condemn it. It is rather presented to us as if it were best not to ignore society's and religion's laws, but that love is unanswerable,—it is right when it is true. Some such teaching is set forth in Gertrude Atherton's "Senator North," where a girl loves a married

man who secretly courts her, and is de-lighted when his wife's death sets him free to marry, although hitherto the respect of his sons and society at large holds him back. Such situations exist as we all know, but it were as well if the novelist did not use them in such favorable lights. One likes better the somewhat stern teachings of selfrenunciation, duty and right. "Lady Rose's Daughter" is free from that hysterical emo-tion which marred "Eleanor," although some scenes savor of sensationalism. But, on the whole, the author has shown her power of psychological insight and her ability to express convincingly the struggles of a human soul. She shows each character true to its own peculiar traits, and never does she forget to exhibit each in its entire

personality. Sir Wilfred in his role of general confidant and disinterested critic, Lady Henry in all her bitter-tempered household tyranny, the child-like duchess with all her foolish yet unselfish devotion to Miss Le Breton and the two lovers, are all comprehensible and human; they are real, living, breathing people, to whom temptation is common. The book is a temptation is common. The book is a departure from Mrs. Ward's usual style which characterizes "David Grieve" and "Robert Elsmere," two preaching novels.
In "Lady Rose's Daughter" she does not sermonize at all, and although she has been accused of not inventing the main theme of her plot, yet one can but feel whatever has been taken has been thoroughly made the author's own, and that from the general storehouse of all literature, Mrs. Ward has not overstepped her rights. The book people appeared and expressed them-selves with a freedom and warmth becaptures the interest at once and holds it to coming the occasion. The people insisted a natural finish to a story, but rather the lieutenant-governor that the regthen let drop. "Lady Rose's Da invites a sequel, as one feels that in such a position as she has long coveted, Miss Le Breton would develop some interesting situ-

> Price, \$1.50. A volume of verse by Lucia Gray Swett bearing the title "Sisters of Reparatrice," will make a most acceptable Easter offering. The opening poem, from which the book takes ts name, describes the life of a sisterhood in Genoa which, Donadio, a celebrated prima donna, joined many years ago. Her singing for awhile attracted great crowds to the chapel of the convent, but was discontinued ecause the Marquis of Reggio, the late archbishop of Genoa, disapproved of the notice it attracted. The poet, in referring the noted singer, says:

ations. | New York: Harper & Brothers.

One among the many voice: Sweeter, higher yet would soar. And we said, "'T is Donadio, Hark, she sings as ne'er before.' Yes, it was the Donadio, Often had we heard her name;

How she turned from many a triumph, Left applause, success and fame, All the glamour of the footlights,

Dazzling stage and brilliant halls, For the shadow and the silence Of the sombre convent walls. Some of the other poems in the volume have a quaint, old-fashioned air that makes

them pleasant pictures of a time when existence was less strenuous than it is today and when manners were courtly and picturesque. One, "The Old Brocade," takes us back to the ball given in Salem for General Wahington in 1789. Another says of "The Girl of Other Days": How often I have watched her stand,

Upon a Sabbath morn, Her hymn-book in her little hand, Her pretty gown of lawn. The neatly folded India shawl.

The bounet edged with lace,— A something sacred over all Reflected in her face! "Our Cups of Tea " is a pleasant antici ation of a refined and quiet old age:

We'll dress in gowns of silv'ry gray, With knots of ribbon, oh, so gay! Of pink and blue in caps of lace, On curls that nod about each face; Our muslin kerchiefs wondrous fine, With pins and pearls in quaint design, And bright old ladies we will be, And gossip o'er our cups or tea. The other poems in the volume show delicate fancy, and their thoughts are

odiously expressed. Here is a little bit that will soon be seasonable: Joyous children with glad voices As they carols sing today, Seem to hear the angel's anthem,

Almost see the golden way. But for souls with sorrow laden.

There's a song no glad heart hears, Easter's blest, most wondrous glory Shine for eyes that look through tears. The book will please all who wish to escape a while from the turmoil of the world. It is both restful and inspiring. [Boston: Lee & Shepard. Price, 80 cents

Popular Science.

—The milky sea, as it is known to mariners is not yet fully understood. It seems to be mos common in the tropical waters of the India cean, and is described as weird, ghastly an ng, and as giving the observer pboard the sensation of passing through a se of luminous fog in which sea and sky seemed to loin and all sense of distance is lost. The phenomenon is probably due to some form of

From seven diamonds—weighing from two twenty-one carats—that have been in Wisconsin and adjoining States, Prof. William H. Hobbs traces the diamond fields of North America to the volcanic region of the Canadian wilderness, south of Hudson bay. The only known matrix of the diamond is the black shale or "blue ground"-around the necks of burned out volcanoes. The loose stones found seem to have been transported by glaciers, and on following up the probable courses of these ancient the rivers the lines converge in the barren territory

--- Excessive muscular development is pronounced by an experienced physician to be not only unnecessary, but positively dangerous. On ceasing athletic training, which every person must do sooner or later, the system adapts itself must do sooner or later, the system adapts itself very slowly to new conditions, and digestive and liver troubles are very liable to follow. The great lungs, not needed in sedentary work, degenerate, often leading to consumption.

—The late surveys of the English coast show a loss of land of forty thousand acres since 1867.

although in some places as at New Romney, the solid ground has been pushed out two miles or more in the sea.

-By his method o feeding through the stems instead of the roots, S. A. Mokrshezki, the Russian entomologist, believes that trees and plants can be cured of disease and greatly stimulated in growth. His special apparatus is in-tended to introduce salts of iron—either solid or in solution—into apple and pear trees, and he has used it for applying chemical treatment to eight hundred fruit trees on the southern shore of the Crimea. The weak and diseased conditi the trees was remedied, while an unusual development followed. An important new field seems to be opened up, and the possible effects of varied dietary, administered to different plants in this way, remain to be shown.

Gems of Thought.

.... Eternal life is not a thing that we are to get

now.—Drummond.
....The true moment at which to call upon one'sThe true moment at which to call upon one's self to take any new step in virtue is at the fainting-point, when it would be so easy to drop all and give all up; when, if you do not, you make yourself a power.—J. F. W. Ware.

....Seen from outside, many forms of human life seem coarse, repulsive and unbearable, which,

seen from the inside, seem tolerable and pleasant . -Christian Register.

-Christian Register.
....Tomorrow! How often we say that when a resolution is taken or a purpose designed, and how mockingly Fate laughs back at us. Tomorrow! as if time was in our poor mortal hands, or as if, to the cowardly, there ever is a to morrow!

.... What a vast proportion of our lives is spent anxious and useless forehoding the future—either our own or those of our dear ones. Present joys, present blessings slip by and we miss half their flavor, and all for want of faith n Him who provides for the tiniest insect in the unbeam. Oh, when shall we learn the sweet trust in God that our little children tell us ever day by their confiding faith in us? We, who are so mutable, so faulty, so irritable, so unjust; and He, who is so watchful, so pitiful, so loving, so forgiving? Why cannot we, slipping our hand into His each day, walk trustingly over that day's appointed path, thorny or flowery, crooked or traight, knowing that evening will bring us leep, peace and home?-Phillips Brooks.

etimes there comes an hour of calm; Grief turns to blessing, pain to balm; A Sower that works above my will Still leads me onward, upward still: And then my heart attains to this— To thank thee for the things I miss. -T. W. Higginson

.. Emerson says, "Though ministers of ce and power fail, yet justice and power fail never." That is to say, those who endeavor to interpret justice and power, to define the truth, may fall in their interpretations, err in their definitions; yet justice, power and truth, the eternal trinity of God, fail never. They remain he same yesterday, today and forever. Here strength for many days.—W. D. Little.
....Open thy mouth, judge righteously, and plead the cause of the poor and needy.

The sweetest season of all the year,
Is the time when the swallows and spring

And the heart's-ease blossoms for hearts

Burst forth from green to white.
....A nobie and attractive every-day be-

omes of goodness, of sincerity, of refinement and these are bred in years, not momen Bishop T. D. Huntington. He only really lives whose interests

neath the surface, who has gone up in heights and down into the depths, whose beats in unison with the great heart of hum who weeps for the world's pain, and suffe its sins, who has tasted the fullness of uli love, who has swelled with mighty hopes has burned with divine inspiration.—C. J. The know-nothing, the do-nothing an be-nothing scheme of life can only end in darkness and in ineffable distress.—J

.... The Holy Supper is kept indeed, In whatso we share with another's ne Not what we give, but what we share For the gift without the giver is bare Who gives himself, with his alms feeds Himself, his hungering neighbor and

.... There are no failures in life. From point of view of the world, it is true, som greatest successes are counted failures. from the point of view of Heaven, some greatest failures are called successes strictly speaking, from the point of view of and effect, in a world which has eternal ju the heart of it, there are no failures. We living souls the measure of our sowing, what we ask. We are the spiritual offspiritual offsp our dream.-Hugh Black.

Removed Bony Growth of Three Verte

CARROLL, Mr., Jan. 22, 1982 The Lawrence-Williams Company, Cleveland O.:
I used one bottle of your Gombault's Carrie
Balsam on two bone bunches on horses, one of
three years standing. It removed them both, it
consider it one of the best things on the market
for man and beast.

C. W. DANFORTH.

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Doultry.

Turkeys at Nesting Time.

The highest ambition of a turkey hen is to cutwit her owner, steal her nest and osit her eggs where she thinks no mortal will ever find them. To be successful managing be quiet and gentle always, see them think you are their best friend humor them in their natural propensiall von can.

all you can.
confined at all during nesting time, let
ee in a large yard enclosed by a high
e of poultry netting, where piles of
r brush are placed here and there among shrubbery as if by chance. There they come to make their nests, and, thinking have concealed them and outwitted are just as happy as if they had.

ater on large, well-ventilated coops, in ch a few handfuls of grass or leaves are d, halt concealing a nest egg, are genly accepted; and these same coops are very thing for the hen to sit in and afterto afford shelter for her and her little

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W. Higginson.

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the hens are driven in this yard every rning and there find food and water, they generally be contented and come to use of the nest provided, though somees one possessed with a wandering mind persist in getting out and in seeking a ng place in some distant woodland or grassy fencerow. In this case it is well to wide a rough house in which a few nests made, and confine them in this until noon. I have had them become so attached to such a house that the hens would return to it of their own accord to lay after I had turned them out. Do not adopt the practice of some lazy people I know of who coop their hens from early morning till sundown, and then complain that the eggs they get are few in number and a large per cent. infertile. Laying hens should have free range half of every day at least, in order to gather for themselves the material for making perfect themselves the material for making perfect eggs, which we in our ignorance have failed hoards at the bottom is the best plan, if not

Eggs should be gathered daily and placed short run, if they like, before returning to so often seen. their nest. One person only should go near the sitting hens, treating them with the the anxious mother will permit the removal of the young poults without protest.

If there are as many as six hens in the flock, let the first two sit that show a desire to do so-the fresher the eggs the better the hatch. After giving the two turkey hens all the eggs they can conveniently cover, set the remaining eggs under reliable chicken hens, giving all the poults hatched to the turkey hens. Thus, the first and largest brood will come out in May, at which time the poults will be healthy and strong, and make rapid and vigorous growth.

The remaining hens, if not allowed to sit, this second lot of eggs is not so large as the first, yet with good care another brood will come off before the middle of June, and can be brought to fair weight by Christmas. Let turkey hens raise their young, by all means. They will take them far afield. give them fresh air, exercise, insects and green food, without which they cannot thrive. A FARMER'S DAUGHTER.

Practical Poultry Points.

A low fence may be made proof against The hen is thus caught and thrown back before she reaches the top of

A Pennsylvania chicken man, G. Hirsch, has a plan for raising his own supply of fresh poultry meat, which he finds quite successful, and tavors us with a brief de-

meal, thoroughly wet it and put it in a ridge, about four feet long, in the back of the lot in my chickens' yard. I cover this up with a couple of boards, so that the chicks cannot exert hit. In from three to chicks cannot scratch it. In from three to five days this is full of maggots. I gradually uncover it, and in a few days the whole lot is gone, and all my neighbors say my chicks grow faster than any they ever saw."

Small, separate brooder houses seem to be

most in favor on poultry farms. They are cheap, simple and work well in connecting with free range for the chicks. The W. H. Rudd (Orrocco) farm, not far from Boston, is sprinkled all over at this season with these little houses, each one equipped with a home-made lamp brooder. Writes Mr. Rudd: "We use some twenty-five small brooder houses, six feet square, five feet posted in front, three feet at rear, and a brooder in each house. These are used in the early and late spring to raise our stock intended for breeders another season. The houses are so scattered that after our portable yards are taken away and the chicks allowed free range, they keep to their own and the different broods mix very This mixing we have found a great e in sectional brooder houses where, only five brooders to a house, when s are here given free range, half of night crowd into one room, and the nt will be obliged to sort them out to logether." As a result partly of the ge given throughout the growing he stock retains its full vigor after

supposed by some to have a tenessen vitality. rati in the week we feed a mash made out a third cooked vegetables



well colored, well packed and faced.

smallest consignment that transportation

companies will take at lowest freight rates.

nough to warrant large shipments. Re-

ports, however, are somewhat favorable for

Hay Trade Conditions.

The only marked change in the hay mar-

ket since last described is that the line

At Boston the demand is quiet and the

supply of the lower grades more than suffi-

cient. Choice hay is scarce and really fancy

lots exceed the quotations given. Very few lots actually in the market demand more than \$18. Lots which bring \$19 or

\$19.50 are too few to establish an official

Rye straw is in moderate demand and

steady at quotations, the supply being a little larger than when the market was last

quoted. Receipts for the past week were

372 cars, of which 62 were for export; also

of which nearly one-half were for export.

The New York market shows no special

change except in the increase of inferior

grades, buyers being unable to obtain enough of the first grades, and obliged to take inferior grades, but insist upon low

prices. Unquestionably the demand would

be obtained. Rye straw is becoming much

more abundant, and prices have declined

considerably since last quoted. The total

receipts for the week were 11,450 tons, com-

pared with about 8400 tons last week. Dur-

ng the week about 4600 tons were exported.

Western markets report scarcity of re-

ceipts, and in some cities an upward turn is

anticipated. A Chicago correspondent thinks that small receipts and high prices will continue for some time in that city.

Cincinnati, Kansas City and St. Louis re-

port very similar conditions. The Southern

market supply seems to be rather more abundant, and more than the demand can

take care of if the conditions are unchanged.

Orange Markets.

The large markets of the country are sup-

plied with oranges every day in the year, although in midsummer and autumn the

supply is low. At that time the arrivals are

from South America and New Zealand. Next comes the California crop, which ar-

old and the fruit of inferior quality. About

twenty thousand cases come from this source,

be much greater if really choice hay could

nding

14 cars of straw. For the correspondence

quotation.

He does not consider the market favorable

into the meal barrel from which it is dipped out this season, but later on will quickly into the mash. We consider the thorough mixing of these meals a considerable factor

in making a good mash." When wiring a poultry yard it is best to too costly. Old barn siding, well whitewashed, will last a long time for such use. them gently every day and keeping each sitting to itself. Nests for the sitting hens are best made on the ground, a place being four feet wide. Have an assistant, and hollowed out for the purpose, only deep enough to keep the eggs in place, and lined ground, raise it to the right height and with a handful of soft grass. The hens staple it at the top to the post at one end of should be set either in a large coop or pen, where they will be protected from rain and hot sun and safe at night from rogues. Lift around the line, letting the bottom hang. them gently from the nest every day and Then begin again drawing the bottom down place them in sight of food and water, per- and stapling it all around. The plan, caremit them also to indulge in a dust bath or a fully followed, avoids the bulges and warps

Ground grain is more profitable than whole grain for poultry. This is the result of a year's work at the New York Experintmost gentleness, so that by hatching time all fear of approach has disappeared and ditions as uniform as possible from birth until nearly a year old, one lot being fed rations composed of the ordinary whole grains, and the other lot rations of ground grain. The ground grain ration proved considerably more profitable than the whole grain ration with the growing chicks; and the same was true of capons of equal weight from these chicks and from others of equal rant a farmer going to much bother or expense to grind grain for poultry, but where The remaining nens, if not allowed to sit, one has to buy poultry food the meal form will soon begin laying again, and although will usually be the cheaper.

Poultry In Short Supply.

Dressed poultry is still in moderate supply, and prices for good stock have advanced drawn between the upper and lower grades slightly. Quotations for turkeys, capons is more definite, lower grades being in very and ducks are unchanged. A few spring full supply and more than the demand can ducks are on the market. Squabs are more abundant and lower. Live poultry continities that while the best grades hold firm and ues scare, and best lots bring 14 cents. At could be disposed of in almost any quantity New York the market was almost bare of live poultry at the opening of the week, and

The demand for cold-storage poultry de- dition which increases the per cent. of cheap pends considerably on the weather. A large portion of the present portion goes to the summer-hotel trade. If supply being from Canada. Reports from the season is cold and wet, keeping pleasure shipping districts; are that a large amount o seekers away from the seashore and mountains, the demand for this grade of poultry roads become in good condition for carting. falls off very considerably. Last year, for instance, was a cool summer, and there was hardly any call for this grade from the source depended upon to clean up the holdings. This year, so far, there has been no call for frozen poultry since the first of the year. Most of it was stored on a 19-cent market, and the prices for the season are such that it is thought that packers will lose money, even with a favorable trade for the summer. The situation is such that holders are figuring, not how much they can make, but how little they can lose. It takes a fancy lot to bring 20 or 21 cents, but the bulk of the holdings are | week of last year the receipts were 464 cars, such that these prices cannot be realized. Offers are made at 17 to 19 cents, the price having declined somewhat during March. One large sale is reported of very fancy young turkeys, sold for May delivery at 20 cents, in the New York market, but this price is exceptional. It is needless to say that at 17 to 19 cents, when expenses must be deducted, packers are losing money, but in the case of frozen fowls, conditions are not so bad, and dealers expect to get their money back in most cases. The demand for this class of poultry is improving on account of the scarcity of fresh stock.

borticultural.

Apple Trade Slightly Improved. Most dealers concede that the conditions from crowding to death. It is are somewhat more favorable than when por plan to have such a large flock last reported. It cannot be said that the last reported. It cannot be said that the average range of prices is higher, but receipts are not quite so large and sales are more easily made. It appears that the ars exclusive use of incubators and worst period of the glut is over, and although no very favorable conditions of the market are expected, a small but steady

A. F. Hunter, now in the West, was improvement is looked for.

York & Whitney say: "There is not so much cheap stuff coming in this week.

First rate No. 1 Maine Baldwins bring \$2, t certainly gave him a large egg some very fancy cold-storage lots sell at \$3.

some very fancy cold-storage lots sell at \$3.

Most apples from nearby, including Massapullets. Said Mr. Hunter: "Five chusetts and New York State, do not bring the week we from the week we found the first late Mo. I mande Battwins bring 52.

Trives in August and September. The Cuban oranges have become a less important factor during recent years, the trees having become above \$1.25 for the best. There is more call for Russets, and strictly No. 1 fruit brings the South, but recent advances on freight rates by the Southern roads have increased the cost of shipments about one-third, and are likely to kill the Southern trade. The retail and whole-fully and sar stiff as a strong arm can make it. This mixed meal with us consists of one part each by measure of corn meal, fine middings, bran, ground oats, and the meat mine, brough each by measure of corn meal, and poured from the bag in turn into a bag, and poured from the bag.

The south, but recent advances on freight rates by the Southern roads have increased the cost of shipments about one-third, and are likely to kill the Southern trade. California oranges are out of the market before September. Some excellent fruit has been shipped lately from Mexico, but these are not good keepers. Florida and Vork brought \$2 per barrel here. All Baldwin receipts at this point are falling of its same and the sate of the stock in collisions. This mixed meal with us consists of one part each by measure of corn meal, fine middings, bran, ground oats, and the meat meal, a scoop or dipper of each being dipped in turn into a bag, and poured from the bag.

The south, but recent advances on freight rates by the Southern roads have increased the market being more juley in quality. California oranges are out of the market before September. Some excellent fruit has been supported. The market being more juley in quality. California oranges are out of the market before September. Some excellent fruit has been supported. The market being mexical as loss of five miles for milk brought to Springfield market will also secure a good summer price. It is expected that the rate to be paid producers for milk before September. Some excellent fruit has been shipped lately from Mexico, but here are not good summer price. It is expected that the rate to be paid producers and street within a radius of five miles for milk before September. Some excellent fruit has been supported to september. Some excellent fruit has been excellent fruit has been excellent fru or cut clover cooked by being \$2 per barrel. There is some demand from

Vegetable Markets Quiet.

Dealers report trade rather slow. This is A. W. Mead & Co. report the market rather unsettled for average grades of nearby apples. Apples from one carload of uniform quality sold at from \$1.15 to \$1.50 on the same day. They quote \$1.25 for is, so to speak, "between hay and grass." Old vegetables are pretty well played out, and nothing new is yet in the market except for strictly No. 1 apples, this grade being rhubarb and spinach. Of course there is always a supply of hothouse and Southern more scarce than during the recent weeks. They quote sales of \$1.50 for No. 1 Baldvegetables, but the great bulk of consumers wins and \$2 for northern Maine Baldwins,

cannot afford to use these freely, if at all.

The potato market holds steady at recent Exporters say foreign markets for all varieties, except long keepers like the Russet or the Ben Davis, will be about over after are moderate and trade quiet. Bermudas Exporters say foreign markets for all vathis week. The English markets continue are quite plenty, but their price forbids in bad condition. One exporter reports the general use. Sweet potatoes are beginning purchase of cold-storage Russets, etc., at to be used more freely, the cost of sweets \$1.25. He intends to ship this small lot of 12 barrels as an experiment, this being the the white kinds.

Onions are as badly off as ever, the market being dull and weak. Said one dealer: "The trouble is there were too many onions and the growers didn't know it. They held their stock all winter for high sound fruit, but the great bulk of arrivals prices and the slump came in spring. They made the same mistake as the apple are wasty and out of condition. A great many shipments at this season are made in growers." Old vegetables in general are cold storage, of which the charges, includrather hard to sell in all markets.

ing freight, are \$1.50 to London, againt 86 Chicago dealers allege a glut of turnips, cents ordinary storage, and to Liverpool \$1, against 62 cents ordinary storage. Of course, this expense is only warranted by shipments of fruit good enough to bring liver to bad, but the vegetables mentioned quite so bad, but the vegetables mentioned quite so bad, but the vegetables mentioned to be a fair value. from these chicks and from others of equal weight and age fed alike before caponizing.

The difference was hardly enough to warfew at \$2.40. Russets \$1.50 to \$2.65. Exmense amount of Southern truck. Northmense amount of Southern truck. Northpenses come out of these prices, which are, of course, unsatisfactory except for best what shrunken and inferior, are brought into competition with the new crop. This past year or more. So far prices are hold-Southern competition is fast increasing. new regions being devoted to the busines each year, and the result may permanently affect the late winter and spring market for

Northern-stored vegetable Northern-stored vegetables.

Hothouse products hold about steady.

The cloudy weather has retarded ripening of tomatoes, but prices did not advance Hothouse or frame dandelions are about over, the outdoor product being preferred as mo e stocky and attractive. Rhubarb is becoming more abundant and gradually a level as low as crop conditions warrant, falling in price. Native spinach is in light A low fence may be made proof against flighty breeds of poultry by lengthening the posts with two eighteen-inch strips of wood fastened to each other at right angles, pointing over the yard, and attaching two wires. The hen is thus caught and the post of the conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the pointing over the yard, and attaching two wires. The hen is thus caught and desirable shipments brought as high as 15 these conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the pointing two desirables shipments brought as high as 15. The season when holders wish to force sales. These conditions are made worse by the fact that much of the Canadian hay arriving lately in the Eastern markets is not so good as that coming earlier in the season; a converse to the pointing two desirables hipments brought as high as 15. The season is a converse to the pointing two desirables hipments brought as high as 15. The season is a converse to the pointing two desirables hipments brought as high as 15. The season is a converse to the pointing two desirables hipments brought as high as 15. The season is a converse to the pointing two desirables hipments are made worse by the fact that the converse to the pointing two desirables hipments are made worse by

Summer Milk Market.

The outcome of last week's conference between the Boston milk contractors and the New England Milk Producers Union is regarded as a decided victory for the pro-

Under the agreement signed March 26 the farmer is to receive an average price during the six months, beginning in April, of 35½ cents a can. The price the contractors will charge the pedlers will be an average of 37½ cents a can during the six months, beginning with a 39-cent price in April. This will mean, the contractors and pedlers say, that the consumer will be asked to pay 7 cents a quart for milk purchased while the agreement with the producers is in affect.

—A device for suppressing sound and smoke has been provided for the ordinary rifle by a French soldier. It consists essentially of a steel tube about thirty inches long, with several partitions having orifices slightly larger than the bore of the gun, and this tube is attached in front of the muzzle by a bayonet clasp whenever its use is desired. On firing the gun, the gases are retarded by each partition in turn, finally escaping without sound or smoke. With a knife at farmer is to receive an average price during ment with the producers is in effect.

with the rating, the system by which it is determined how much milk a producer can

sides and the cards will soon be sent out for the producers to sign. The C. Brigham form of even production is to be used by form of even production is to be used by the Elm Farm Company, the Boston Dairy ling nearly died out because of shade, wear and Company, B. Whiting & Sons and the C. Brigham Company; the producers to have the privilege of rating themselves at the cattle yards has been completed, and the yards average of last year's production, and a twentertown will probably be finished also by chance to vary thirty per cent. up and down from that rating. H. P. Hood & Sons' con-

are to pay more than they can afford under the new agreement, but they say they thought it better to make the concession than to expose Boston to a milk war, which the directors insisted would otherwise have begun 1pril 1.

Before the final meeting the directors discussed the possibility of eventually placing nothing but union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk only." This is the sense of the directors to make a price for union milk and union milk only." This is the sense of the directors to make a price for union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors to make a price for union milk and union milk on the Boston market, and unanimously adopted this resolution: "That it is the sense of the directors the market, and unanimously adopted the market, and unanimously adopted this resolution: "That it is the sense of the directors the market, and unanimously adopted the market, and unanimously adopte a price for union milk and union milk only." This is considered a strong hint only." This is considered a strong hint for all milk shippers to join the union in

also large numbers from Jamaica Island. order to secure its protection. sale rates will be 6 and 4½ cents a quart, respectively, and it is stated that more than 32½ cents per can cannot be paid and maintain such a selling price. This rate is considered good, compared with what is offered the producers by the Boston dealers for the six months from April 1. The price offered is 35½ cents per can of 8½ quarts. From this must be deducted ten or twelve cents per can for freight, and the producer must deliver the milk at the railway station, and also wash his own cans. This makes the net price much lower than the Springfield rate.

—The season of navigation on Lake Champlain opened March 25, the steamer Chateaugay making her first trip from Burlington to Platts-burgh, N. Y., and return. This is the earliest season since 1871, and with that exception, the carliest since 1843.

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—The period March 25, the steamer Chateaugay making her first trip from Burlington to Platts-burgh, N. Y., and return. This is the earliest season since 1871, and with that exception, the season since 1872, and return. This is the earliest season since 1872, and with that exception, the call of the exception, the season since 1873, and return. This is the earliest season since 1872, and return. This is the earliest season since 1873, and with that exception, the call of the exception, th the Springfield rate.

An attempt is being made apparently to

the Springfield rate.

An attempt is being made apparently to form a milk monopoly in New York State.

Joseph Fowler of Montolair and A. M.

Jones of Fairmont are the agents of a New Jones of Fairmont are the agents of a New York syndicate, but they refuse to state the names of the capitalists interested. These

New York capitalists, who are ready to pay 100 cents on a dollar for everything they buy. The price of milk will be raised 1 cent a quart at the start and may go up to 7 or 8 cents a quart. It is said that the syndicate aims to control the milk business of the

Egg Markets Fairly Steady.

Egg receipts at Boston and New York are heavy and show a tendency to increase. Prices are holding better than might be

Prices are holding better than might be expected. There is some demand for duck and goose eggs.

A new factor in the egg market is the corner on egg cases, which has been contrived by certain Chicago speculators. The scarcity of suitable cases is expected to throw a large number of eggs on the market. For the immediate consumers, they will be shipped loose in barrels and other packages and sold to the storage buyers, who will repack them in the city for storage of the corner of the contest has reported and announcement has been made by Prof. P. G. Holden, head of the department of agronomy at Ames. Prizes will be awarded to who will repack them in the city for stor-

Chicago dealers are looking for a nine and ten cent market during April for a time quality of corn, and second to those who make storage eggs. The scarcity of cases is likely the most creditable showing during the short-course eggs. The scarcity of cases is likely to continue during April, as all the manufacturers are behind with orders. One of the selling agencies of the mills reports an average sale of over one thousand cases a day since Jan. 1, and there is now some difficulty in getting any kind of a carrier to handle eggs. A Chicago dealer thinks to handle eggs. A Chicago dealer thinks that taking into account the scarcity of cases, the scarcity of fillers, the timidity caused by last season's losses in storage eggs, and the anticipated large supply, the outlook is that the price of eggs will be lower than for any season for the past five years. On the other hand, the consumptive lemand is very brisk, and in some sections the laying stock has been reduced in numbers on account of high cost of grain the ing up very well.

Grain Markets Firm.

No marked change has occurred in the grain situation during the week, but there has been a slight reaction against the comparatively low price level, and such changes direction. There is no special reason to expect marked variation in either direction for the present. Prices seem to have reached a level as low as crop conditions warrant, care of the surplus. Takings of one million son. Southern string beans and some other Southern specialties were injured by the recent heavy rains in that section, and prices have advanced.

bushels wheat for export and three hundred thousand bushels of oats. These shipments will start at opening of St. Lawrence water route. The outlook for the crop of winter wheat continues favorable everywhere. The flour trade is dull and prices practically unchanged. Bag meal is same as last week. Bran and millfeed are several points lower. Cottonseed and lin-seed meals also show a slight downward tendency.

ment with the producers is in effect.

The clauses in the contracts which deal with the rating, the system by which it is

-An old theory is that the earth is slowly determined how much milk a producer can send to the contractor he does business with, say that this matter shall be settled by agreement between the producer and contractor, but they say that the minimum rating shall be on the basis of last year's figures.

at an appreciable rate by the fissures and cavities
The agreement has been signed by both of rocks and soil. He urges a more thorough

> neglect. -Disinfection of the Brighton barns and

from that rating. H. P. Hood & Sons' contract is to be practically the same as last season's, with the limited production clause omitted.

The contractors, as usual, claim that they are to pay more than they can afford under the new agreement, but they say they thought it better to make the concession than to expose Boston to a milk war which the season's contractors.

—Bradstreet's reports exports wheat for week 2,401,887 bushels, against 2,395,598 bushels last week and 2,904,110 bushels last year; since July 1, 172,448,615, against 194,298,707 bushels last year. Corn for week, 3,618,210 bushels, against 24,305,468 bushels last year.

—Nathanlel K. Fairbank, founder of the N. K. Fairbank Company and the Fairbank Can-

dairy products, with a value of \$27,516,870, were the only two products worth more than poultry

men are having agents canvass Rome,
Oneida, Rochester and other cities in the
same manner as in Syracuse. It is said that
every milkman in Onondaga County has
been approached.

The options are for ninety days. The
syndicate will buy the routes, horses,
wagons and other equipment. The farmers
are to keep their cows and enter into a fiveyear agreement to furnish milk at 22 cents.

are to keep their cows and enter into a five-year agreement to furnish milk at 2½ cents a quart for six months and 3 cents a quart the other six months. Most of the producers have given these options. It is said that if necessary milk will be sold at cost in Syracuse in order to drive out independent dealers. The men who sell to the syndicate promise not to peddle milk.

Fowler and Jones say they are acting for New York capitalists, who are ready to pay 100 cents on a dollar for everything they compared with January closing rates, show an advance of 7½ per cent. In merinos and unchanged rates on crossbreds. America bought 6000 bales.
—Within the last three weeks Charles E. Ly-man, a well-known Middlefield (Ct.) farmer, has inan, a well-known Middleneid (Ct.) farmer, has lost fifteen head of cattle through some unknown sickness. A number of other cows are sick and may die. The first symptom of the trouble was a film growing over the eyes, the cows grew thin and had a short convulsion before death. Examination showed the mucous membrane in throat, intestines and stomach was greatly in-flamed, in fact, fairly cut away in places, and it

> agronomy at Ames. Prizes will be awarded to the amount of \$2600. There will be two divisions of the prizes-first to the exhibitors of the best

A Remedy That Should be in Every Household.

WHITNEY'S POINT, N. Y., Jan. 20, 1903. The Lawrence-Williams Company, Cleveland, O.: I used your Gombault's Caustic Balsam on a yearling colt that had an enlargement of the ankle. It was quite a bunch. Your Baisam cured it without a scar. It should be in every household. It should be in every John H. Knapp.

GRAVES' MANGE CURE

For Dogs, Cats, Horses, Cattle and Sheep. All Skin Diseases they are subject to can be cured by this

as have taken place have been in an upward GRAVES' MEDICATED SOAP

For Fleas and Lice for Dogs, Cats and Horses. Sure to kill them quick.

No. 11 PORTLAND STREET Boston Mass.

Taunton, Mass.

Originator and Breeder of the Celebrated Aut

crat Strain of LIGHTBRAHMAS

Also Breeder of DARK BRAHMAS.

BUFF AND WHITE COCHINS.

Buff and Silver Wyandottes, Buff and Black Cochin Bantams, Golden

Sebright Bantams and Yellow Fantail Pigeons.



POULTRY KEEPING. HOW TO MAKE \$500 A YEAR KEEPING POULTRY.

PIANOS.

t we share-ver is bare; alms feeds thee-ghbor and me. -Lowell. life. From the true, some of the failures. And, ven, some of the successes. But, of view of cause eternal justice at tres. We reap as res. We reap as sowing. We get tual offspring of Three Years

E., Jan. 22, 1903. z., Jan. 22, 1905.

lay, Cleveland O.:

mbault's Caustic

on horses, one of

ed them both. I

s on the market

W. DANFORTH. TELEPHONE NO. 3707 MAIN.

Now it's the smoky chimney that may begin to feel anxious.

The Lowell knitters are not yet unaniously willing to say nit!

It's a very fit moth that will be able to survive the campaign of the Beverly Improvement Society;

When all is said and done, isn't that man rather vain glorious who doesn't allow him self to be April fooled by his own children? The Lynn experimenter has probably de-

cided that it's no more use trying to shoot a nightmare than it is trying to "shoo" one. One of the first requisites of modern authorship is apparently to have a photograph that will reproduce well in the news-

New Jersey poornouse, enjoys the peculiar distinction of not being in possession of all his faculties.

Even were imagination a universal pos-session, it would still be difficult for some of us to accept the reportorial picture of Signor Mascagni expressing himself as being in love with America.

The maxims of the late Mr. Swift of Chicago have all the breeziness that characterizes up-to-date words of wisdom for the young in business.

Judging by the predominance of Butterick interests in the recent change of ownership, Everybody's Magazine will now be conducted on a new pattern.

Mr. Morgan's optimism, regarding our present prosperity, well deserves general circulation. Pessimism and misguided terror play an important part in the making

A real daughter of the Revolution is reported to have died of old age, some days ago, in a Brockton Home for Aged Women. The report does not say what office she held

The spirit of Robin Hood, or, at least, a part of it, seems still to exist in the person of the Chicage robber who compelled his victim to allow himself to be treated at the saloon nearest the scene of the robbery.

After all, Smith College has comfortably survived a good many escapades on the part of its students; and "Mary Duncan" to have been a fairly harmless bit of undergraduate humor, once professional dignity has recovered its equilibrium.

Twenty-eight thousand dollars for copy of Job's "Lamentation" is a figure that may well make the modern author feel envious. But then, as the comforters might have said, Job is too dead to get much amusement out of his

No. Boston will probably not follow the example of Des Moines and assemble her largest families as a prize exhibit whenever the President next comes in this direction.

Judging by the recent tenor of our vital statistics, however, such an exhibition would give the typical Bostonian something to

Speaking of the publisher's trust, one recalls the remark made by a London writer at a gathering of authors during the time of Napoleon. The emperor had come in for a good share of abuse when this particular author rose to protest. "Gentle
"Gentlemen, gentlemen," said he, "let us not forget, whatever else Napoleon may have done, that he once shot a bookseller.'

If the quarantine of eastern Massachu setts is not removed before the opening of the pasture season, the situation will be very embarrassing to cattle owners. Since the regulations forbid transportation of cattle across the highway, farmers will, in many cases, be unable legally to so much as drive their cows to pasture without a permit from the cattle bureau.

Milk producers for Boston market are looking forward to a prosperous season. With grain and millfeed at reasonable prices, pastures starting in good condition and milk contractors paying nearly two cents per can more than last summer, a decent margin of profit may fairly be expected. High prices for cows and extreme wages for farm help are among the drawbacks, but the outlook, as a whole, is the best for years.

A contemporary has raised the question Should a little boy be taught the cruel trade of war by being permitted to play with tin soldiers? This is a very vital question closely following the terrible results that to some minds, link themselves irrevocably to an early belief in that fictitious person Santa Claus. For ourselves, we shall never be happy until we have decided also whether little boys should be permitted to play

When Mr. Clyde Fitch tells the students. dramatic club out in Cambridge that the reiterated demand of American managers for American plays is simply a pose for the benefit of the American public, he doubtless knows whereof he speaks. On the other hand, however, will there ever be any great number of American plays, that are worth acting, until an equal number of American playwrights can compete in the market with the work produced by their foreign contemporaries?

The five great irrigation projects planned under Government direction would open up one million acres of arid Western land at a cost of at least \$10,000,000. The idea is to make the land pay for the improvement by assessing the cost on the owners annual installments. Completion of the project will enormously increase the com petition to be met by Eastern fruit growers and farmers, but the country, as a whole, will be helped by such important addition to its resources and productive power.

The startling "corn-wheat" story that months has at last been mailed by the Department of Agriculture. The "new grain" appears to be nothing more than a variety of wheat with large grains but with no other special merit, and apparently not deemed worthy of Government distribution, being at best adapted only to droughty regions. The stories described it as a won-

which New England milk farmers were bled three years ago through a somewhat similar scheme. Even with the best inten-tions on the part of the promoters, projects involving such a multitude of interests are not easily established. The safe side of such plans is for producers not to pay money or agree to pay it. If a better market is offered for milk, it is well to be very sure as to the exact meaning of the contract in that

The victory of the milk producers union shows the growing strength of organization among farmers. Not so many years ago, s similar conference would have ended mostly in talk, with the situation favoring the contractors. The former weakness of the union lay in the knowledge that producers would not hold together properly in case of resort to extreme measures. But during the last two or three years the backbone of the Noah Roby, the 131-year-old inmate of a fully as a result of the growing strength of the support received. On the other hand, the contractors have learned that the real power is in the hands of those who supply the milk, and they no longer expect to have things all their own way. This feeling of wholesome respect on both sides has led to a compromise conceding something to the demands of each party to the controversy, yet, as compared with similar treaties in the past, it is considered a positive triumph for

The First Step.

It has been said often that it is the first step that counts, and exemplifications of this adage are daily presented to view. We need not go beyond our city to point out men who were once respected, but who yielded to the temptation to depart from the path of rectitude, just temporarily they thought, but who soon found themselves enmeshed in a web of difficulties from which there was no escape from final exposure, followed by flight, imprisonment or suicide. A love for extravagant living, a desire to make a show far beyond that warranted by one's income, has often led up to this first step that makes a criminal of an honest man, and a love of illicit pleasure has been another frequent cause of an irretrievable fall from a high estate in the respect of men. Pennell, whose name has been so mixed

up in the Buffalo Burdick tragedy, and whose own death followed soon upon the taking off of his former friend but later enemy, was a man much esteemed by his early associates at college and elsewhere, and was thought by them to be above reproach. They regarded him so highly that they refused to believe any of the stories that were circulated to his discredit. And, no doubt, in his early days he earned affection and respect by his engaging qualities, for one does not become either a saint or a sinner all at once. The growth in both goodness and badness is Igradual, and a man does not recognize that he is ascending or descending until he reaches a point where he is compelled to look back upon his past career. No doubt up to the last Pennell onsidered himself a pretty good sort of a fellow, and did not realize that he had drifted apart from his earlier standards of manhood, honor; and duty. He did not recognize, amid the dissipations in which he was indulging, that his moral character was steadily deteriorating, and that he was unfaithful in all the relations of life.

It is true that it has not been proved that he was a murderer, and since he has passed out of existence, we can afford to give him the benefit of the doubt, but the circumstances surrounding the mystery with which his name is linked are not of a hurry to sell under what in average years a room from which all the musty odor has Burdick, and may not have been self-inflicted, though suspicion points significantly to suicide, if not to something worse, but we need not condemn him unheard. Enough, however, has been revealed concerning his later career to show that he had not lived up to the promise of his youth and young manhood, and that he had followed his first step in the wrong direction with other steps that led him downward into a bewildering maze of misfortunes. Daniel Webster said long ago, in a celebrated criminal case in this State, that suicide was onfession, and if Pennell could be proved to be a self-destroyer, there would be little doubt of his having won the unenviable distinction of wearing the brand of Cain upor his brow, thus following up the first false step with the last degree of crime.

National Sensitiveness.

There has been much ado about nothing in the Fatherland regarding Admiral Dewey's unofficial criticism of the German navy. Not perhaps so much flutter as there was about Coglan's recitation of Hoch der Kaiser on a social occasion, when he was merely a guest among guests, who were trying to entertain themselves informally after particularly good dinner, but enough to show that Germany, as represented by her government, is very touchy about, any uncomplimentary remarks concerning her in any direction.

At the same time, she takes very kindly to uncomplimentary remarks that may be made about the United States and her naval and military developments. Therefore, it is mightily pleased with Count von Reventlow's strictures in the Berlin "Taglebatt" of the American navy, should be, owing to the opposition to its the many communities demanding the in enlargement and improvement that has always existed to some extent in our coun-Reventlow's reflections as far as they are true. On the contrary, we welcome them as a desirable means of seeing ourselves as others see us, but we selves with the thought that their turn are, nevertheless, of the opinion that what is sauce for the goose is sauce for the gander, and we cannot understand why the German officials, from the Kaiser down, should manifest so much sensitiveness whenever a voice is raised here to say that delivery, on account of the condition of there are German shortcomings. Doubtless, both Coglan and Dewey were too frank and perhaps indiscreet in their utterances. but naval officers are rarely, if ever, diplomatic, and they have sometimes too much o the proverbial bluntness of the sailor for their own good. Still, they should never have been taken so seriously by our German

cousins.

derful cross between corn and wheat, and present emperor is a distinctively aggresderful cross between corn and wheat, and the description was copied by papers which should have known better.

That projected milk trust in New York State may be managed in good faith, but producers should bear in mind the way in the state of the state

in any way that will weaken their power.

In a small way the Kaiser is an astute statesman, and he hopes by professions of friendanip to divert attention from his real purposes, which are, evidently, to make himself remembered as one of the great rulers of his country—a man of destiny, who has heaven on his side in his plans for conquest percent. quest, peaceful or otherwise. Of course the world does not have the confidence in him that he has in himself. If it did, he would be a really great man.

Roosevelt and the Navy.

In Chicago on Thursday night Presiden Roosevelt delivered a notable address in which he said forcibly that he believed in the Monroe Doctrine, heart and soul. This is an emphatic utterance of the belief that he has been credited with holding for a long time, and is one which will please the majority of his fellow countrymen. He was equally strenuous in asserting that the Monroe Doctrine must be maintained by having an efficient fighting force to defend it if any foreign power should attempt to violate it under any conditions.

Here he voiced the opinion of the thoughtful men of the country, who do not hold with some economical extremists that the navy is almost an unnecessary expense in time of peace, and that it should be kept in a condition of comparative inefficiency, which would make it of little service if an emergency should arise whereby our rights in this Western Hemisphere might be disputed and attacked.

A strong naval force is needed for the maintenance of our dignity, for, as the President indicates, the carrying of a big stick. coupled with a conciliatory attitude, slways wins respect. In the words placed in the and then set out with a determination to mouth of a prime minister by the dramatist: First all means to conciliate; failing these all means to crush." We must be great on the sea as well as on the land, where we need fear no European power. If a oreign nation should attempt to enter United States with an army, it would find itself in much the same condition as was Napoleon, when he invaded Russia and met with inglorious defeat. Armed men would spring up from every corner of this great republic as suddenly as did the Highlanders at the summons of Roderick Dhu, and, therefore, a large standing army is not so indispensable as a large and efficient navy, with all the modern equipments pertaining to the science of naval warfare.

Germany and England, according to Mr. Monroe Doctrine in the Venezuela affair, but if these united aims had been hostile. we would have been in a poor condition to meet them in sea conflicts. An increase in the size of our navy is imperatively demanded for the enforcement of the Monroe Doctrine, which, after long waiting, will give us control of the Isthmian canal.

Sugar Crop a Failure.

The sugar season opened three weeks earlier than usual, and after a few short runs the weather became very warm, the maple buds began to swell, the utensils soured and the season ended before the normal season would have opened. In consequence of such weather the season and crop have been almost a total failure. Several large sugar places were not tapped at all, and many did not tap until the short season was nearly through.

The make can hardly be estimated, but it

is thought to be about fifteen to twenty per cent. of a normal yield. Producers who have their sugar or syrup on hand are in no

goods, but my observation is that it makes but little difference to them, as extracts are made to take the place of maple in flavoring their output, so none who are willing to use city-made maple (?) syrup need worry about that part of the crop being short. L. R. T.

The Outlook in Central Vermont. The snow is all gone in the cleared land. It came on so late, Dec. 5, we had sleighing until about March 5. There were no heavy storms during the winter, but the large number of them, and the proportion of oudy days was perhaps never equaled Stock of all kinds has wintered well and have not consumed a large amount

The maple-sugar season is in progress So far the flow of sap is very small, and indications are unfavorable for a large run, but there is likely to be a good demand with high prices. George Swan of Tunbridge has about one thousand trees tapped, making about fifty gallons of syrup last week. He received an order on the eighteenth for two hundred gallons at \$1 per gallon.

For February the Orange County Creamery, Chelsea, received 246,420 pounds of milk and 1894 pounds of cream, from which were made 13,310 pounds of butter, for which twenty-five cents per pound was paid H. P. W. to patrons.

Orange County, Vt., March 23.

Will Free Delivery Help Roads? The great obstacle to the general spread of the rural free delivery system is the miserable roads of the country. So far the system has only been extended to comwhich, of course, is not all that it munities blessed with good roads. Among troduction of the system, the Postoffice Department has been able to select those try. Now we do not object to Count which have good roads, either as a result of favorable natural conditions or superior wealth. The less favored communities which have been passed by have consoled them-

But when these disappointed communities -and their number is increasing very rapidly-find out that they are permanently barred from enjoying the benefits of free their roads, a cry of indignant opposition will be raised; and it will grow into an angry roar, above which it is doubtful if the friends of free delivery can be heard. When this storm breaks, the beneficiaries of the system will be found to be a small minority, and the disappointed a large majority of the rural population. Suppose the minority stands on its dignity and says:

stacles, and our means are less. Why not help us improve our roads through general

Such a demand as this is almost certain to result from the agitation for rural free delivery of the mails. And what is there unreasonable or unjust about such a demand? The general improvement of the roads of the country is a work too stupendous to be left entirely to the small municipalities. Besides, is it not more deserving of national aid than the building of the railroads and canals and the improvement of rivers and harbors? harbors?

harbors?
A proper distribution of the expenses of general road improvement among the nation, the States and the local communities appears to be the only practical solution of the road problem, and the road problem must be solved if rural free mail delivery is to be made general. W. P. Brownlow.

The farmer will find chances enough for his strength and skill and enterprise in the older nelds which lie nearer the populous market, and bring him within the reach of the library. If a man has by nature a taste for the active associations of life, he should select a farm near the populous centre, and adapt his farming to the wants of those who supply him with his market. From one end of our land to the other these opportunities now exist.

But whatever may be the location choice of suitable land should not be forfruit trees, choose your land accordingly; if you would plant a vineyard, select a proper site; if you would supply a market with early vegetables, select warm and strong soil.—Frank B. Allen, Hampden County

The day of drifting, thinking of making a success along any line of business has gone by; the man that would make a successful farmer must set his standard high, rise to it. How many of our farmers are satisfied to remain on the lower plains of life-spending a large amount of time at the taverns and postoffice, smoking and gossiping.-Frank B. Allen, Hampden County,

Too many of our farmers are too much like our Aborigines—in want at one season, over-satiated at another. I think too much emphasis cannot be put on the start, when a boy is young. As soon as he can earn a few pennies, interest him to save and lay away at least fifty per cent. of what he earns. This habit will grow as he gets older, and he will soon discover that he has a reserve on hand that will come in very handy when he has need of it.—Frank B. Allen, Hampden County, Mass.

I have noticed that a medium size in all

animals is the hardest point for the farmer to preserve. Large cattle and horses fascinate some; they may be good in their place, but not for general use. The mediumsized animals are the most profitable, most easily fed, and can endure the most hardships. Select well and feed well, and you may be sure that the animal will reward his owner.—Frank B. Allen, Hampden County,

Make Dairy Improvements Permanent. Permanent work is the only ikind that pays in the dairy. Now, in the springtime, which is really the beginning of the dairy year, it is well to emphasize this fact an note its importance. If you are in the butter business, avoid a makeshift policy in refitting the dairy house for the season's run. Indulge in but little patching on partially worn-out utensils, for you it will be found that in most such cases it will be nomy to start in with new. Do you know that better cheese and butter can be produced in a building made to last a lifetime than in a temporary shack?

Do not start to set milk or make butter in

manent way that they will round out their natural spheres of usefulness for ten, twelve days before yeaning is a common mistake or even more years. Give them honest care and causes a good deal of trouble, which and liberal rations while they are young, and never get out of the habit later on.

Permanency pays even to the springtime repair of a pasture fence, as one will realize later when growing crops tempt grazing

cows. A covered row of stanchions in a clean corner of the barnyard is better for summer milking than a close, stuffy stable, but do not make it so flimsy that the first high wind will blow the roof down, as I have seen done. Place it on a slight elevation if possible for drainage, and gravel the surrounding ground as an aid to cleanliness. When you do a piece of repair work in any department of your dairy, perform it so well that it will require no further attention for the rest of the season at least. The strict observance of this rule often means the saving of many dollars and the avoidance of an infinite lot of trouble. Don't forget that permanent work in dairy ing now means a competence by and by, while the opposite course leads to hard GEORGE E. NEWELL.

Good Calf Care.

The calf should be cleaned jat once after the birth by careful rubbing with dry cloth or dry straw, as the calf respires only

The calf should be protected against damp ness and draught-it is very tender while young. It should have the milk in small portions, and as often as the cows are milked, as only then we get the full benefit

New milk should be fed exclusively the first fourteen to twenty days. The calf should have part new, part skimmilk from about the twentieth to the fiftieth day. Feed skimmilk or other similar liquid food, till at least three months old, and after that as long as can be afforded. Give the milk at blood heat, but this should, new-as well as skim, be first heated

to 176°. The calf should have oatmeal gruel and good fine hay at the time when feeding skimmilk com Use clean pails; uncleanliness may cause deathly sickness. The calf should be made to drink the milk slowly in order not to disturb the digestion.

Profit from Sheep.

My sheep have gained me from start of feeding to finish eight to ten pounds of mut-ton per bushel of corn, while the gain of my cattle of equal quality and feed runs from seven to eight pounds. My hogs eat corn, corn from first to last, and only a little grass for change, while my sheep eat grass, grass

ALL ENERGY.

CHAS. J. JAGER COMPANY,

especially on thin and high land. In conclusion, I will say, keep none but the best of whatever breed you have. They will pay when poor ones lose. Sheep are easy to handle and easy to retain in an inclosure that would not hold other stock, and they are the best weed destroyers on the farm. Taking all things into consideration, gotten. If you would cultivate a nursery of the sheep certainly has much to commend it to the farmer. JACOB ZIEGLER.

Clinton, Ill.

good stock to average that weight.

Honesdale 147772: Sire, Coomassie's Triple King 37939; dam, Capote 115608 Fat, 12.3005 pounds; milk, 228.6 pounds. Test made from Feb. 19 to 25, 1903; age, 5 years; actual weight, 950 pounds; fed corn ensilage, shredded corn stover, elover hay, corn and cob meal and cottonseed meal not weighed. Property of Frank C. Bosler Carlisle, Pa.

Recent Tests of Jersey Cows.

Pet of Suncook 137782: Sire, Exile of Maine 36332; dam, Suncook Girl 137605. Butter, 16 pounds 1½ ounces; milk, 294.6 pounds. Test made from Jan. 26 to Feb. 1, 1903; age, Test made_rrom Jan. 25 to Feb. 1, 1903; age, 6 years 7 months; estimated weight, 850 pounds; fed 3 pounds dried distiller's grains, 3½ pounds wheat bran, 3½ pounds cotton-seed meal, 3½ pounds corn meal and 35 pounds roots daily—hay and cured silage corn ad lib. Property of Dunn Brothers, Concord N. H.

Rioter's Lorlie 133359: Sire, Rioter of Macomb 40448; dam; Lorlie Vayne 2d 89187. Butter, 16 pounds 1 ounce; milk, 268 pounds Test made from March 25 to 31, 1902; age, 5 years 7 months; estimated weight, 1000 pounds; fed 14 pounds linseed-oil meal, 42 pounds coarse middlings, 14 pounds corn meal and 245 pounds corn ensiage—hay ad lib. Property of George R. Nichols, Mount Clemens, Mich.

Sokamria 140936: Sire, Sozius 43555; dam, Kamaretta 80479. Butter, 16 pounds 1 ounce milk, 221 pounds 10 ounces. Test made from Nov. 25 to Dec. 1, 1902; age, 4 years 11 months; estimated weight, \$50 pounds; fed 69 pounds corn and oats chop, 26½ pounds oll-meal, 30 pounds wheat bran and 200 pounds corn ensilage—hay. Property of estate of C. Delano, Mount Vernon, O.

From the Shepherd's Notebook. The feet of every member of the flock hould be trimmed before sent to pasture. The best breed of sheep is the one that suits both taste and requirements.

Liking induces interest; interest brings enthusiasm and enthusiasm pays in sheep-

The shepherd that treats his sheep like friends is the most successful in their care
A ram must be a typical specimen of the
breed he represents in order to secure

results expected. Pure air and sunlight have a favorable

effect in the breeding of ewes. Their quarters should be kept dry.
Feeding a lot of rich grain the first few often occurs both to the ewe and the lamb. If the ewe is weak at lambing time, oatmeal is one of the best and most strengthen ing foods. It is nourishing, increases the milk flow and prevents bowel trouble in the

offspring.

The special twine made for tying wool should always be used, as unsuitable ma-terial is liable to interfere with certain parts of the machinery used in the separation of

A lamb that is plump and fat without undue forcing with heating foods makes the

Field Notes and Jottings.

Strawberry plants will be injured badly yten minutes drying in the air while being et. A good plan is to distribute them in little boxes along the rows. They are taken from the boxes one by one and set immediately. Set even with the surface and presso firmly that a leaf could be pulled off without starting the plant. To cultivate the newly set plants, a horse weeder is the ent to use. W. Boulter, an Ontario orchardist, writes

"I do not put anything in my orchard. I calculate that the trees will need all that the ground will produce. We go through i with a gang-plow when necessary, and we keep it worked up with a large spring-tooth harrow—just keep the weeds worked down and keep all the manure on it I possibly can. I believe nothing can be put on an orchard that is better than good wood ashes. In some experiments at the Michigan

station in spraying peach trees with copper sulphate solutions of varying strength for leaf curl it was found that "trees sprayed early with one pound of copper sulphate to one hundred gallons of water showed no more curl than trees sprayed at the same time with one pound of copper sulphate to twenty gallons of water." Like results were obtained when one pound of copper sulphate was used to two hundred gallons of water. In the test of fall and winter pruning of peach trees vs. spring pruning, no difference could be noted in the crops of the following season.

Black rot in grapes causes the decay of the green berries, which do not fall but dry up on the branch. The leaves and twigs of the grape are affected by the brown rot, as well as the fruit. The first signs of it are whitish patches which later turn brown. Affected berries turn dark brown and wither. Powdery mildew, a parasitic disease, appears on leaves and twigs as a powdery growth. Sometimes the fruit on mildewed vines cracks open. Where these diseases show themselves, it

\$4.86 for steers and \$4.85 for hogs, and the average weight was sheep 1263 pounds, steers 1354 pounds, and hogs 2182 pounds. From this you can see they had to be all of pounds of salt. The lime should be slacked of sulphur, thirty pounds of lime and fifteen pounds of salt. The lime should be slacked and mixed with the sulphur while hot. The The foregoing facts, obtained from my experience, convince me that sheep are, in two should be boiled for an hour, adding sufficient water to cause them to boil general, the most profitable stock on a farm, After an hour's boiling the sait should be added and the contents should be given another boil of fifteen minutes and fifty gallons of water added. The wash should be applied to the trees hot. The trees should be sprayed before the leaves come on. Sometimes one application will ex-terminate the scale, but a second application it was believed would entirely exterminate it. Mr. Bennett says kerosene oil had been used on trees to exterminate the scale when the trees were in foliage. He does not recommend it, as it was liable to

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Maine—Farmi Foss & Chapma Vermont—J. S

Nashua, 250. Massachusetts 3; R. Connors, 30;

Stock at yards:

184 horses. Proj 184 horses. Mai

Vermont, 6 cat chusetts, 173 cate Tuesday—Stor Learned, Sturter and balance of a setts in small lot Henry, who had

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for slaughter. regards Western,

higher on love 70 P 100 lbs. J.

Connors, 15 cows,

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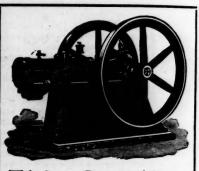
2 cows, of 800 1110 lbs, at 31c;

ilmore, 15.

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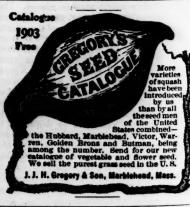
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s similar in every size machine we man ure. Every machine warranted. Send for catalogue. STANDARD BONE CUTTER CO.,





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Now is the time to order a CARLOAD for your ORCHARD and FRUIT FARM. Try ashes on your run-down meadows and wornout pastures; they will bring in nice clover, and are the most sensible manure for other crops, and come cheaper than other manures and last longer.

kill the trees unless used with care.

Words cannot express its grandeur. No description can adequately portray its crowning merits. Never has its equal been produced; will pay the heaviest debt on any farm better than a Klondike gold mine. I bought my first plants of A. O. Haymaker in 1890: I now have 10,000 to sell. I could have had more. I routed only the strong-est. Price of plants, 75 cents per dozen, postpaid; \$3.00 per 100 \$20 per 1,000.

dozen, postpaid; \$3.00 per 100 \$20 per 1,000. mest mixed, 1,000 shades, 25 cents 100. postuald. Cladioli Rulba, firest mixed, 1,000 Shauco, er dozen; \$1.50 per 100, postpaid.

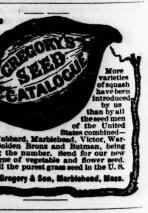
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wednesday—The wednesday—The somewhat better is better in the city a ling trade at the ability decreased and easily dispose 1 bull and 1 cow, of 990 lbs, at 33 26.3c, 730,850 lbs. at \$3.80. Farming 115 lbs, at 64c. J. 64c. G. W. Chenes Fisk, 3 cowa 2000a. Fisk, 3 cows, 2920 P BOSTON I Who Poultry ens, choice reens, fair to go ens, fair to go ers, 3 to 3 hs.

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The Markets.

AND BRIGHTON.

Prices on Northern Cattle.

ed hogs, 9@9lc.

rs-50c@\$1.25.

Maine.

Vermont.

At N E D M & Wool

Via F. R. R. 15 200 Via Nashua 20 300

Massachusetts.

At Watertown. Forbush Dennen Hayden Hathaway

JA Hathaway At Brighton.

Farmington L S

Cattle. Sheep.

15

12

Live Stock Exports.

Horse Business.

Union Yards, Watertown.

laid down here. Local lots at 81@91c, d. w. Sheep Houses.

50 hs each, the best of the season.

Steady at 13½@14c, for hens.

Foss & Chapman, 25.

Veal Calves.

Live Poultry.

Droves of Venl Calves.

Brighton Cattle Market.

Stock at yards: 436 cattle, 16,612 hogs, 170 calves,

18t horses. From West, 240 cattle, 16,400 hogs, 18t horses. Maine, 17 cattle, 40 hogs, 43 calves.

Vermont, 6 cattle, 50 hogs, 34 calves. Massa-

chusetts, 173 cattle, 122 hogs, 93 calves.

Tuesday—Stock from the West by S. S.

Learned, Sturtevant & Haley and J. J. Kelley,

and balance of arrivals largely from Massachu-setts in small lots. The largest shipper was J. S.

Henry, who had in hogs, cattle and veal calves for slaughter. The sales of beef stock, as regards Western, 20c easier on best grades and te higher on lower grades. The range, \$4.30@ 5.70 b to 100 b to

5.70 p 100 lbs. J. Freeman, 4 cows, of 1100 lbs, at 4e;2 cows, of 800 lbs, at 2c. E. Wheeler, 1 cow,

of 1110 ths, at 33c; 2 cows, of 1050 ths, at 34c. R.

are handling all they can lay their tare not coming freely. They miss mashire arrivals. Prices are strong

ek ago; the best lots at 71c, unles

wn to 6c, and 5je for slim lots. R.

veals at 64c. Nothing extra as to

Maine calves 64@74c, as to quality.

The trading in beef cattle was than last week. The beef sold

and was the means of stimulat-

abattoir. Beef cows were selling ity, and a number of lots arrived

ed of. Sales by O. H. Forbush

Connors, 15 cows, of 700@1200 lbs, at 11@4c P lb.

Venl Calves.

Late Arrivals.

of 5@7½c, as to quality, unless very fancy.

L Stetson C Waitt Scattering G S Cheney W Rodshinze H A Gilmore E Wheeler E Bleiler C M Grover J Freeman

our, adding m to boil. should be l be given ash should The trees eaves come n will exnd applicairely extercerosene oil rminate the as liable to re.

ine

reliable, y price. test of r special to save e largest r Co. BOSTON.

BERRY. press its gran-ption can ade-its crowning has its equal will pay the any farm better e gold mine. I plants of A. O. W: I now have could have had only the strong-nits, 75 cents per ; \$3.00 per 100 shades, 25 cents he Standard

manufacture best line of e Cutters le. We ship size on trial competition. even different s for hand and er, ranging i e from \$6.73 \$195. The tal cylinders cutting ss the grain we manufact d. Send for UTTER CO.. Mass., U. S. A

aking specialty ght mater in or mold er Co., Mass.

introduced by us than by all he seed men the United combined— 'cictor, War-man, being or our new lower seed. in the U.S.

ead, Mass.

rood g Fertilizer in

ARLOAD for FARM. Try ows and worn-in nice clover, nure for other other manures

ite for prices ddress tario, Canada.

of 1180 and 1140 ths, at 31c; 1 2@3c, 730 a 87 at \$3.80. Fa e; 1 at \$3.3c, of 990 lbs: 2 cows E. Bleiler, 1 cow, of 1030 fbs, gton L. S. Company, 98 calves, S. Henry, 45 calves, 135 fbs, at 6lc. G. W. (Fisk, 3 cows y, 3 cows, 3280 lbs, at 3fc. F. S. 15s, at 31c. PRODUCE MARKET. holesnie Prices Pontity, Eresh Killed. od 16@10 10 pair, ₱ 1b 28@30 1bs, ₱ pair 75@90 16@18 12@13 15@16 to choice.... were 523 packages.

the New H

as quoted

quite fancy Connors so

quality.

Wednesd

somewhat t

better in the

ing trade a

21@4c, as to and easily d 1 bull and

Live Poultry BOSTON LIVE STOCK MARKETS. Quall, P dov... Grouse, Iowa, dark, P pair . Grouse, pintail, P pair . Wild ducks, P pair— ARRIVALS OF LIVE STOCK AT WATERTOWN For the week ending April 8, 1903. Shotes and Fat Cattle Sheep Suckers Hogs Veals week 794 4910 19.882 week 712 4599 23,647 year ago 3434 8268 55 26,837 Prices on Northern Cattle.

EF-Per hundred pounds on total weight of tallow and mest, extra, \$6.00_6.50; first ty, \$5.50_5.70; second quality, \$4.50_5.25; mality, \$4.00_4.25; a few choice single pairs, \$7.00; some of the poorest bulls, etc., \$2.50. Western steers, 4.25_6.75.

EFF-Per pound, live weight, 3@4c; extra, \$3.00 lambs \$4.880. Boxes—
Extra aorthern creamery.
Extra dairy.
Common to good.
Trunk butter in † or †-lb prints...
Extra northern creamery.
Extra northern dairy...
Common to good Hogs—Per pound, Western, 71@71c, live shotes, wholesale—; retail,—, country Es-Brighton-7@740 P b; country lots, 6c.
F Skins-13c P b; dairy skins, 40@60c.
Low-Brighton, 4@5c P b; country lots, Vt. twins, extra P ib.

"firsts P ib...
"seconds P ib...
Sage cheese, P ib.
New York twins new extra.
""" seconds. Cattle. Sheep. Eggs. Nearby and Cape fancy, & doz. Eastern choice fresh.
Eastern fair to good.
Michigan fancy candled.
Vt. and N. H. choice fresh.
Western fair to good.
Western selected, fresh.
Southern fresh.
Duck. Western.
At Brighton.
Sturte vant &
Haley 128
S S Learned 64
J J Kelley 43
At N E D M & Wool Goose.... Western dirties.... Hebron, & bu.
New York, round white.
Western,
Aroostook Green Mountains
Bermuda, & bbl.
Jersey, double head, sweet, & bbl.
Vineland, fancy sweet. NEDM& Wool 12 Co
At Watertown.
J P Squire & Co 48
J A Hathaway 240 Green Vegetables.

Artichokes, P bu.
Beets, new, P doz.-bunches.
Beets, P bu
Cabbage, native, P bbi
Carrots, P bu.
Beet greens, P box
Parsnips, P bu.
Lettuce, P doz.
Celery, Boston market
Kale, P bbi
String beans P crate
Spinach, native, P bu
Tomatoes, P b
Peas, P crate
Hothouse cress, P doz.
Cucumbers, nothouse, each
Onions, Natives, P bbi.

"York State, P bbi.
"P bu box
Oyster plant, P case
Parsley, P bu
Rhubard, P bu
Radishes, P doz.
Squash, Hubbard, P ton
Turnips, flat, P box. Green Vegetables. The only change in the English market on State cattle during the past week was ic advance on best grades, making sales at 121@131c as sold dressed weight, being on account of a shortage of dressed weight, being on account of a shortage of that class of cattle. Sheep at 16‡@17‡c, d. w., and lambs at 19c. Movements from Boston were only in horses, 12 head by E. Snow, on steamer Devonian, for Liverpool, and 1 pony by G. Warren, on steamer Michigan, for Liverpool. The business of the past week was even better than previous weeks, with easy disposals and strong prices. They sell as fast as they are placed upon the market, and good State of Maine horses are very desirable for drive and draft. Now seems to be the time to effect disposals profitably. At L. H. Brockway's sale stable ar profitably. At L. H. Brockway's saie static arrived 3 carloads, and dealers were used well and sold at strong prices. Nearby horses are scarce if of good quality; sales at \$50@225. Western horses at \$150@275. At Moses Colman & Son's sale stable sold 80 odd head, from \$50@225; sales warv blank or at \$75@125 sale very blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$50@225; sales warv blank of the sold 80 odd head, from \$500 odd \$100 odd \$ mostly at 50@125. Horses at \$75@125 sell very quickly if worth the money. At Welch & Hall's sale stable sold nearly 200 head, from \$100@250, unless fancy. At Myer, Abrams' sale stable sold 6 carloads at \$100@250, and nearby horses at \$25 Fruit. Apples, in bulk, P bbl..... King, P bbl..... Tuesday—Northern stock trains come in scatteringly. Some go to the New England Works and some to the abattoir for slaughter. The call for good beef cows a trifle quicker, with easier disposals. Butchers were in the way to kill more beef stock as it arrives. Several carloads of mixed stock stopped at Union market, and driven over besides the regular Western. O. H. Forbush sold 2 good beef cows, of 1940 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 990 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 1 cow, of 1900 ibs, at 34c; 2 cows, of 1620 ibs, at 34c; 1 cow, of 1900 ibs, at 34 Bteers and cows, all weights.
Bulls.
Hides, south, light green salted.
"dry flint.
"salted.
buff, in west.
Calfskins, 5 to 12 bs each.
"over weights, each.
Deacon and dairy skins.
Lambskins each, country.
Country Pelts, each. Fat Hegs.

Market on Western live unchanged at 71@73c, The market at a high figure for Western, being at an advance of ‡@jc on both sheep and lambs. The best grades of lambs only 5c ₽ 100 hs in advance of last, but jc stronger on slim Dried Apples. grades. The range on lambs \$5.30@8.05 \$\psi\$ 100 fbs, and on sheep, \$4.30@7 30 \$\psi\$ 100 fbs, being Grass Seeds. an advance of ic on best grades. J. A. Hatha way sent in from his farm in western Massa Timothy, \$\mathbf{P}\$ bu., Western, good to prime .2 00\(\bar{a}\)2 55\(\alpha\)2 52\(\alpha\)3 2 80\(\alpha\)3 Red Top, Western, \$\mathbf{P}\$ 50 ib sack ... 2 00\(\alpha\)2 50. | Clover, | Pth | 12g2 | 235g2 | 235 | 235 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 chusetts, 10 spring lambs, 6 weeks old, weighed The calf market remains unchanged at a range Maine-Farmington Live Stock Company, 13; Vermont-J. S. Henry, 34; via F. R. R., 150; via Massachusetts-J. S. Henry, 65; O. H. Forbush, 3; R. Connors, 30; C. Waitt, 8; scattering, 40; H. A.

Yellow eyes, extra....Yellow eyes, seconds..... Red Kidney..... Lima beans dried, P ib..... Hay and Straw. Hay, No. 1, P ton.....

Straw, prime rye. FLOUR AND GRAIN Flour.—The market is quiet. Spring patents, \$4 15@4 45. Spring, clear and straight, \$3 40@3 50. Winter patents, \$3 80@4 60. Winter, clear and straight, \$3 50@3 85.

Corn Meal.—\$1 06@1 08 P bag, and \$2 50@ 55 P bbl; granulated, 2 90@3 25 P bbl. Graham Fleur.—Quoted at \$2 85@4 00 \$\pi\$ bbl.

Ont Meal.—Firm at \$4 20@4 50 \$\pi\$ bbl. for colled and \$4 75@500 for cut and ground.

Ryc Fleur.—The market is steady at \$2 90@ 150 \$\pi\$ bbl. Corn.—Demand quiet, prices lower. Steamer, yellow, 52c. No. 2, yellow, spot, 52c. No. 3, yellow, 51c.

Oats.—Demand quiet, supplies moderate. Clipped, fancy, spot, 47\fc.
No. 2 clipped, white, 43\fc.
No. 3 clipped, white, 43c. No. 3 clipped. Firm.

Milifeed. Firm.
Winter wheat bran, sacks, \$19 00.
Winter wheat middling, sacks, \$16 50@22 50.
Spring wheat bran, sacks, \$16 50@17 00.
Spring wheat middling, sacks, \$16 50@17 00.
Cottonseed meal for shipment, \$26 50.

ently pussible to fumigate greenhouses successfully without injury to the plants, provided only one or two species of plants of about equal hardiness are kept in each house. In conservatories and greenhouses with a large assortment of plants the gas cannot be used without injury to the more tender species. In the experiments reported from the Pennsylvania station fumigation was begun at about sundown, while the plants were dry, and the length of exposure in every case was twenty-five minutes. The insects which it was sought to destroy by these experiments were thrips, mealy bug, plant lice, scale insects and red spider. In two greenhouses 0.15 gram potassium cyanide per cubic foot of air space was employed, while in the third only 0.12 gram was used. As a result of these experiments a considerable difference in the resusting power of different plants to hydrocyanic-acid gas was found. The various plants in the greenhouses are arranged in three categories according as they were uninjured, slightly injured or totally killed. Ferns, grasses, mosses, begonias, etc., were uninjured; fuchias, geraniums, heliotropes, nasturtiums, palms, cacti, etc., had the tender leaves injured; fuchias, geraniums, heliotropes, nasturtiums, palms, cacti, etc., had the tender leaves injured; while Pelica and Tradescantia bicolor were killed. Plant lice were all destroyed by the fumigation. Isolated mealy bugs were killed, but where they occurred in large masses the older individuals and the eggs were not destroyed. Scale insects were killed, except eggs under old scales. Red spiders were killed only to the extent of about ten per cent.

GINSENG.—H. S., Worcester County, Mass: Wild root will answer in starting a plantation

only to the extent of about ten per cent.
GINBENG.—H. S., Worcester County, Mass:
Wild root will answer in starting a plantation
Some growers have seed and roots to sell. Sandyloam soil is best, and the plot should be shaded
with a brush canopy or some such protection.
Manure richly, set roots four inches apart each
way and keep down the weeds. From three to
six years are needed to grow roots to market.
Large stories have been told of the profits,
while other growers have become discouraged at
the slowness of growth of their plantings.

RAPE SEED.—O. S., Kennebec County, Me.:

the slowness of growth of their plantings.

RAPE SEED.—O. S., Kennebec County, Me.:
The amount of rape seed per acre will depend, first, on the richness of the soil; second, on its condition a to moisture, and third, on the mode of sowing adopted, whether broadcast or in drills. The richer the soil and the more moist, the less the quantity of the seed required. When sowed broadcast, from three to five pounds of seed per acre are used, and when sown in drills and cultivated, from one to two pounds will suffice. The seed may now be obtained from any reliable seedsman.

Linkern Meal.—R. P. L. Tolland County, Ct.:

LINSEED MEAL.—R. P. I., Tolland County. Ct.: Oil meal, when fed in quantities of one to three pounds a day, will have no bad effect on the flavor of the butter. It is fed more or less in only a small population and are for from navor or the butter. It is led more or less in every good dairy district. The bitter flavor in the butter is due to other causes. Partly de-cayed cabbage is, for instance, almost sure to cause such trouble.

BOWING ONIONS.

Sow from four to six pounds per acre. Four pounds per acre is plenty providing the seed is good, the seed bed good, and maggots not numerous. Sow eighteen seeds to the foot, if the seed is good, which, in rows about sixteen inches apart, makes about five pounds per acre. Sow with any good garden-seed sower, first regulating to sow as desired. regulating to sow as desired.

ROCK GARDENS.

A rockery is attractive if well made and not out of place. Itshould be made only in locations where a natural heap of rocks covered with flowers and a natural heap of rocks covered with flowers and vines would not seem unexpected or out of tune with surroundings. A sunken rockery is the most attractive, but the hillock shape is less costly. If convenient, build on a shady southeast slope. Dig below frost line and use the earth removed as side filting. The stone work should be finished and firmly wedged before filling with earth and gravel. Good plants, mosses, vines and ferns can be found about any forest ledge, and the nurserymen sell rock plants and alpine plants adapted to such locations. plants adapted to such locatio

TWO NEW SPRAYS.

The difficulty of killing plant and tree lice with the usual spray mixtures is well known. Good results are reported from the use of a new mixture containing one pound hard soap, one quart castor oil, one-fourth pound carbonate of soda, one gallon water. The soap and acid were boiled in water and mixed with the castor oil while heated; the mixture was then diluted with while heated; she mixture was then diluted with ten to twenty per cent. of water for spraying. In fighting tree dice, it is important to apply the liquid used before the leaves begin to curl and enclose the insects. For seale insects, a mixture reported satisfactory is prepared as follows: Ten quarts boiling water, one quart carbolic acid, one quart soft so.p. The mixture is stirred until an emulsion is formed and is applied by means

USING SEWAGE AND NIGHT SOIL. prejudice against the use of night soil and sewage as manure. Recent experiments by French bacteriologists show that diseased germs are carried in such material, and may be taken up and preserved in the tissues of vegetables. In one instance water cress, head lettuce and radish seed were sown in pots, and the soil water with diluted sputum that had been saved up for forty days from a tuberculous patient. After a certain period pieces of the leaves of the vegetables grown were used to inoculate guinea pigs. As a result, eighteen of the thirty inoculated pigs developed tuberculosis. Like experiments were also made with typhoid fever bacilli, and in every case, without exception, the typhoid bacillus was easily found in the leaves of the contain disease germs will be on the safer side

to apply them only to crops that are used only after cooking. A LAMB CREEP.

When the lambs get about two to three weeks of age, they will begin to pick at the hay and grain. They will soon want to be eating themselves. To have them do their best they must have a separate place from the ewes to eat, where they can go at will when they feel hungry, what is termed a lamb creep, extending across one end of the barn where there is an abundance of sunlight. In here put flat-bottomed troughs extending the whole length of the apartment, with a board extending along the troughs, six inches above the sides, to prevent the lambs from getting their feet into it, as a lamb is very dainty about having his food clean. In here give them crushed oats, wheat bran, commeal ground coarsely, and oil meal in the same proportion as I advised for the ewes. After they have learned to eat well, increase the feed until they have all they will eat. If any feed is left over, clean it out each morning and feed it to the ewes, as the troughs must be and feed it to the ewes, as the troughs must be kept clean in order to have them relish their food. Lambs that are made perfectly happy and food. Lambs that are made perfectly happy and contented (as it is the happy lambs that grow and put on flesh), being fed in this manner will be ready for market at eight or ten weeks of age, weighing from thirty to forty pounds or more, and will bring more net profit for the feed consumed than at any other age. But if the lamb is going to spend his life on the farm, instead of going to the butcher's block, I would recommend a different prain ration. I would feed but little corn meal, if any, keep his frame growing, give plenty of outdoor exercise, and let him develop naturally, then he will have more stamina when he grows to then he will have more stamina when he grows to

Do so specified meal for shipment, \$25.50.

Linseed, \$25.00.

Barley.—Feed barley, \$5g.58c.

Bye.—\$2.00g.3.0 \$\psi\$ bit. \$\psi_c \psi\$ bit. \$\psi_c \psi_c \ps

three eggs. Let this stand for about twelve hours and use the liquid instead of anise oil. In making this mixture for rats, oil of rhodium, although a very costly drug, would prove more attractive than any other odor. Poison for rats should be put in a plate, then sprinkled over with corn meal and set where they can get it during the night, other animals being shut away. During the day it may be put one side for safety. Some farmers claim to have poisoned woodchucks by using para-green water on cabbage plants. Possibly this strychnine mixture, with the grain left out, would prove equally effective applied to plants in the woodchucks' farting ground.

Siberia's New Industry.

Almost unheralded, Siberian butter has uddenly come into prominence throughout northwestern Europe. The development of this industry in western Siberia is without parallel in the history of butter-making.

At the agricultural exhibition in Kurgan, in 1895, the results shown in the dairy department were so remarkable that the governor of Tobolsk decided to do everything in his power to develop the industry.

In 1898 there were 140 butter factories. Five years later, in 1992, there are 2500 factories. A Russian pood is a unit of weight concline 26 119 are red. equaling 36.112 pounds. In 1898 the quantity of butter produced was 150,000 poods. The production, this year calculated on the basis o the first nine months, will be 2,500,-

000 poods. The production has increased seventeen fold in five years. It will be observed that the quantity of product to the factory has not increased, the production of each factory being about one thousand pounds a year; but the vast multiplication of factories has brought about this enormous growth of

Today it is still rapidly extending. It has already invaded the East to the district of Minussinsk in the government of the Yenisei. In other words, the industry has spread from the western border of Siberia eastward nearly half-way across the

And yet the development of butter-making is still in its infancy. It seems destined to make further progress almost as remarkonly a small population, and are far from producing the quantity of milk of which they are capable.

How is Siberian butter made? While in

France most of the butter is made by the peasant farmers themselves, its manufacture in Siberia has the character of a factory industry. The peasant makes only drawn butter, known as Siberian butter, a coarse and inferior product which is consumed exclusively in Siberia and Russia.
Of this drawn butter the railroad transported 370,000 poods in 1898 and 615,000 poods The farmer does not make the fresh and

salt butter which alone is known in the great butter markets of Europe. He is content with selling his milk to the neighboring butter factory.

The extension of the industry has greatly

increased the price of milk. Naturally, milk has not yet attained its naximum price. Judged by our standards

the price is still exceedingly low. The butter factories are owned by exporting agencies established in the towns, or by large butter firms of Moscow, or St. Petersburg, or are carried on as private local

Another phase of development which is just beginning is the establishment of butter factories by associations of the peasant farmers. Sixty-four of these associations have thus far been organized, and the government is doing all it can to aid them and

All of them have refrigerating plants, many of which are still of a primitive type.

When the butter is made it is wrapped in specially prepared paper, packed in kegs olding fifty kilograms and placed in refrigerators where it is kept two months The butter is of two kinds: salted butter, which is called export butter, made chiefly in summer after what is known as the Holstein process; and unsafted butter, made in winter, called Parislan butter, and sold exclusively in Russia.

The butter has not, on the whole, yet acquired the standard of excellence required in the best butter-making countries. The winter product especially is likely to be inferior, for then the animals are fed on hay and straw with little or no admixture of grains or vegetables.

The salted Siberian butter is almost wholly exported. The two principal markets are Copenhagen and London, Copenhagen buying it only for re-export. Then comes Hamburg.

Five butter trains leave Siberia every week, consisting of twenty-four refrigerating cars, for the Baltic ports of St. Peters-burg, Riga and Revel. The progress of this industry will be watched with great interest. Siberia seems likely to be able in time to compete with Denmark and the other exporting countries in all the butter-buying markets.-N. Y. Sun.

Moving Large Trees.

When a rich man moved to the country it used to be said that his money could buy him everything except trees; for these he and his children must wait.

The professional tree mover has change

all this. Great, spreading ancestral trees fifty or sixty feet high cost money, but they can be bought for a price. Four large trees on the Mackay estate, Long Island, cost \$500 each from start to finish. Other lasge trees on the Guthrie place, Latintown, L. I., cost about \$200 "complete." The farmer who first owned the trees received \$20 to \$40, and the balance went for moving and general care.

Boys who make Money

Over 3000 Boys in various parts of the country are making money in their spare time selling The Saturday Evening Post. Some make as much as \$10.00 and \$15.00 a week. Any boy who reads this can do the same.

N A DAINTY little booklet, which we will send to any boy free, the most successful of our boy agents tell in their own way just how they have

The Saturday Evening Post

There are many stories of real business tact. Pictures of the boys are given. Send for this booklet and we will forward with it full information how you can begin this work. We money required to start. We will send Ten Copies of the magazine the first week free. Write to-day.

The Curtis Publishing Company 489 Arch Street, Philadelphia, Pa.



taken, of course, that they are not rubbed against), or whether they should be covered. This is a question that only the treemoving expert can answer, but it is one of the tree may die after being transplanted, or at least never thrive properly. The decision depends upon the weather and upon the variety of tree that is being moved. Some trees have far more sensitive roof

While this excavating is going on the cast and tackle are drawn up alongside, and the trunk is firmly fastened to the cart's long pole, then raised upright, but swinging on a screw. When the roots are all laid bare and the dirt packed away, done up in bundles, these bundles covered, if that has seemed advisable, with clay and burlaps, then the tree is loose from the ground, and its only support is the derrick.

TRANSPORTATION.

ernment is doing all it can to aid them and encourage the formation of more of the societies.

Carefully it is then swung into a horizontal position, the roots at the front of the truck, the length of the tree stretching out behind. The branches are slowly manipulated until they can be tied down and to gether as much as possible, and these can be safely bent to a greater degree than one tracts for the sale of the product.

All the factories are being supplied with the best machinery used in Swedish or Russian establishments for butter-making.

All of them have refrigerating plants, many sprinkled on the way.

When the tree's new site is reached these operations are reversed. It is known jus how far the roots will spread, of course Men are sent ahead to turn up the ground. to cut it away in a huge circle, that the tree may have a new bed. Its old conditions are reproduced as closely as possible

SETTING IN PLACE.

The precise inches of ground its trunk shall stand on have been plotted out. The truck brings it up to that point, and by means of the screw the tree is raised vertically and set down gently. The pole still holds it and carries its weight, however, and does this until the last inch of root and tendril is unrolled. Now the workmen commence to unwrap

the bundles of roots and to stretch then out. As each is laid down in its place it is covered over with earth lightly. Later on additional coatings of earth are shoveled atop. If there are nearby trees guy ropes are run to them from the new tree to insure steadiness. Gradually the grip of the truck's derrick relaxes, and at last it can be dispensed with altogether. Meantime streams of water have been played on the dirt over the roots, and these begin to take hold. Other men through all these proceedings have been unbinding the branches. Thus the tree is ready to resume growing almost as if nothing had happened. If the season is dry it will need several very thorough drenchings, which, if the grounis rich and fairly moist, will usually keep the tree in thrifty condition until the root system recovers and extends. Success in transplanting appears to be the rule with the expert movers. Probably the reason why large trees are

commonly found so hard to keep alive after noving is that the roots are cut and bruised instead of being carefully dug out and pro tected as just described. Digging out a tree, moving it carefuly and preparing a proper place to set it all includes a vast amount of hard work, and requires suitable tools and apparatus. Still, there is no doubt but that a farmer with his team and a

Our money winning books, written by men who know, tell you all about Potash They are needed by every man who owns a field and a plow, and who desires to get the most out They are free, Send postal card, GERMAN HALL WORKS 98 Nassau Street, New York



PAGE FENCE BEING pany try to imitate its quality and serviceability?
PAGE WOVEN WIRE FENCE CO., ADRIAN, BICH.

SIMPLEX CALF FEEDER The only practical Calf Feeder. The only sensible method of raising calves. No more meaching the calf to drink." Promotes digestion. Prevents soours. Adds to the value of the calf, whether intended for the dairy or for veal. Price of Feeder, \$1.50, postpaid. Agents wanted. Booklet free. Mention this paper.

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FARM For Sale.

Eighty acres of land, mostly tillage. New house, of seven rooms, large barn and outhigh importance. If it is decided wrongly, buildings, all in good repair. Good well of water. Near churches, schools and markets. Address MRS. C. B. COFFIN. Spotswood, Nantucket, Mass.

> Commonwealth of Massachusetts. MIDDLESEX, 88.

PROBATE COURT.

PROBATE COURT.

To the heirs-at-law, next of kin, creditors and all other persons interested—in the estate of FRANK W. CLEMENT, late of Somerville, in said County, decased, intestate.

WHEREAS, a petition has been presented to said Court to grant a letter of administration on the estate of said deceased, to Effie M. Clement of Somerville, in the County of Middlesex, without giving a surety on her bond.

You are hereby cited to appear at a Probate Court, to be held at Lowell, in said County of Middlesex, on the twenty-first day of April, A. D. 1908, at hime o'clock in the forencon, to show cause, if any you have, why the same should not be granted.

And the petitioner is hereby directed to give

MIDDLESEX, SS. PROBATE COURT.

To the heirs-at-law, next of kin, creditors and all other persons interested in the estate of ORLENDO A. SMITH, late of Newton, in said all other persons interested in the estate of ORLENDO A. SMITH, late of Newton, in said County, deceased, intestate.

WHEREAS, a petition has been presented to said Court to grant a letter of administration on the estate of said deceased to Lendo G. Smith of New York, in the State of New York, without giving a surety on his bond.

You are hereby cited to appear at a Probate Court, to be held at Cambridge, in said County of Middlesex, on the twenty-eighth day of April, A. D. 1903, at nine o'clock in the forencon, to show cause, if any you have, why the same should not be granted.

And the petitioner is hereby directed to give public notice thereof, by publishing this citation once in each week, for three successive weeks, in the MASSACHUSETTS PLOUGHMAN, a newspaper published in Boston, the last publication to be one day, at least, before said Court.

Witness, CHARLES J. MCINTIER, Esquire, First Judge of said Court, this second day of April, in the year one thousand nine hundred and three.

S. H. FOLSOM, Register.

FARMERS' WANTS ONE CENT A WORD

Farmers' Want Department is established to allow the sale and exchange of Stock, Seeds, Fruits, etc., also Help or Situation Wanted. There is a charge of one cent per word only, including name, address or initials. No Display. Cash to accompany the erder.

VOSS Combination Cultivator and Horse Hoe. This machine is a reversible cultivator, draws over the row instead of between; also will drill, cover and hill up potatoes and enables the farmer to do away with all hand hoeing. Send for descriptive circular. D. C. VOSS, Gloucester. Mass.

WANTED to Hoard—Two middle-aged or invalid ladles in private family, good society, on Winter street, healthy and pleasant stuation in Framingham Centre, Mass.; good homestead, 9 acres of land, plenty of fruit, poultry, milk and flowers; good water, hot-water heat in the house; five minutes walk to street cars or steam ca station; car fare to Boston 25 ets. EDMUND B. FAY.

STRAWBERRY and Pea checks \$1 per thousand postpaid. W. BUNTING, Prin er. Bishopville

OR SALE—A handsome young thoroughbred mare, a winner bred in winning lines. Runs half in .50. Game and kind. W. S. TAYLOR, Byron, O.

OR SALE—A thoroughbred promptor, seven years old; sound and perfectly reliable. Capable of 2.00 work. REUBE FRONEFIELD, Van Wert, O.

WANTED—To sell, inbred Gambetta Wilkes and Red Wilkes stallion; sound; can beat 2.30. Would take draft stallion in exchange. Address A. L. RIG-GLE, Flora, Ind. /

OR SALE—Three coaches, good as new. Will sell cheap. Address LOCK BOX 723, Covington, O.

OR SALE OR TRADE—An English Shire stallion, coming three years old; a good one. W. H. JONES, Quimby, Ia., R. D. No. l.

COR SALE—Stallion, sire of one 2.12 performer and four others better than 2.30. Took him on a debt. Will sell cheap. GEORGE SPURRIER, Morristown, nd.

CORSALE—Four trotters, 5 and 6 years old, with ex-treme speed and the ability to carry it. Two first class green pacers. M. S. CLAYPOOL, Munice, Ind.

WANTED—A farm on shares, with stock and tools.
Would work as foreman on gentleman's farm
G. C. CREIGHTON, Pratts, N. H.

BAILEY—The Pruning Book. A Monograph of the Pruning and Training of Plants as Applied to American Conditions. By L. H. BAILEY, 549 pages, 332 illustrations. Price.

Our Domes.

The Workbox.

KNITTED SQUARE DAILY. Linen thread No. 50 or coarser may used. Two steel needles No. 16 or 18. Cast on 50 stitches, and knit two rows plain.

1st row-Slip 1, 2 plain (narrow, over twice, narrow, 6 plain) 4 times, narrow over twice, narrow, 2 plain.

2d row and all even rows-Plain knitting. 3d row-Slip 1 (narrow, over twice, nar row, narrow, over twice, narrow) 4 times narrow, over twice, narrow, narrow, over twice, narrow, 1 plain.

5th row-Like first, seventh like third, ninth like first, 11th plain.

13th row—Slip 1, 7 plain (narrow, over twice, narrow, 6 plain) 3 times, narrow,

over twice, narrow, 8 plain. 15th row-Slip 1, 5 plain (narrow, over twice, narrow, narrow, over twice, narrow, 2 plain) 3 times, narrow, over twice, narrow,

17th row-Like 13th, 19th like 15th, 21st like 13th, 23d like 11th.
Commencing with 13th row, knit twice through the work, then repeat first 12 rows

and bind off loosely. For Border-Cast on 13 stitches. For Side-1st row-Slip 1, 3 plain, narrow,

over twice, narrow, 1 plain, over, narrow, over, narrow, 2 plain. 2d row-Plain knitting, making 2 stitches of the over twice (this is done by knitting

one-half plain, the other half seamed). All even rows the same. 3d row-Slip 1, 1 plain, narrow, over twice, narrow, over twice, narrow, over,

narrow, over, narrow, 2 plain. 5th row-Slip 1, 3 plain, narrow, over twice, narrow, 3 plain, over, narrow, over,

7th row-Slip 1, 1 plain, narrow, over twice, narrow, narrow, over twice, narrow, 2 plain, over, narrow, over, 2 plain.

9th row-Slip 1, 3 plain, narrow, over twice, narrow, 5 plain, over, narrow, over, 2

11th row-Slip 1, 17 plain. 12th row-Bind off 5, 12 plain, repeat 6 times, then for corner, knit:

1st row-Slip 1, 8 plain, over, narrow, over 2d row-Twelve plain, leave 2, turn work.

3d row-Slip 1, 7 plain, over, narrow, over, 4th row-Eleven plain, leave 4.

5th row-Slip 1, 6 plain, over, narrow, over, 2 plain.

6th row-Ten plain, leave 6. 7th row-Slip 1, 5 plain, over, narrow, over, 2 plain.

8th row-Nine plain, leave 8. 9th row-Slip 1, 4 plain, over, narrow, over, 2 plain.

10th row-Eight plain, leave 10. 11th row-Slip 1, 7 plain.

12th row-Bind off 5, 12 plain. Repeat these 12 rows 4 times for each corner, knitting side patterns between. Join ends of EVA M. NILES. border.

Why Have Padded Shoulders?

Every man should have well-developed arms and shoulders so that he may look his best at all times, and be able to take care of himself in any sort of physical emergency. Physical culture will give them to any one who will practice it assiduously.

Padded coat shoulders do not make a man prepossessing. They simply indicate that underneath the pads are thin and bony shoulders from which flabby arms swing.

Thin shoulders and flabby arms generally mean stooped shoulders, for the muscles which are used to keep the shoulders erect are not developed. Stooped shoulders put the whole body out of its correct plumb, and a body improperly poised is not an attractive object. Arms that are not muscular are likely to

ward or bent at the elbows. Proper circulation of the blood is prevented and the arms gradually starved.

Then, too, arms that hang forward when their possessor is walking, depress the ribs and interfere with the proper action of the vital organs. Only arms that are muscular will hang in the proper position, which is straight along the sides of the body.

Weak and spongy hands are a direct result of flabby arms and shoulders. The hands cannot be strong when the muscle above them are neglected. A man with a listless grip is frequently a man with an undeveloped arm.

The following exercises are guaranteed to give well-developed arms and shoulders to all who will practice them. They should be taken up ten or fifteen minutes each day, both just after rising in the morning and before retiring for the night. Do not be afraid to put all your energy into the move ments-you will be benefited the more speedily.

Exercise I.-To secure powerful biceps grasp a medicine ball, or an ottoman, or anything of a similar nature, between tightly clenched hands, the backs of which are turned downward. Place the elbows at the sides of the body and have the fore arms at right angles to the upper.

Then, while squeezing the fists in on the ball with might and main, gradually raise the ball to and press it hard against the chest, which, while the ball was rising to it, was expanded to its fullest extent by deep inhalation.

Keep the ball in this position until weariness comes. Then relax completely, dropping the ball to the floor. This is done so that the blood will fill up the arms more readily. That part of the body not used in the exercise should be kept in the correct standing position. Exercise II.—This is executed as the pre-

vious exercise, with the exception that the ball is held between and squeezed by the palms of the hands. In this way the inside of the biceps and the forearm is developed. Exercise III.-With the left elbow at the body's side, hold the medicine ball in the palm of the left hand. Place the right hand on top of the ball in such a position that the little finger will be higher than the thumb and twisted toward the shoulder.

Then, while resisting with the left hand push the ball downward with the right, and vary this movement by pushing up the bal

Once upon a time & A man-for an hour-doubled Painkiller was cured—immediately. friends being told, said—"l friends being told, said—"Pooh, we've all used PAINKILLER for years.

while resisting with the right. Also hold the ball in the right hand and place the left on the top, and repeat the exercise as out-

This is a splendid exercise for the back of the shoulders and the arms, and will build up these portions in a few weeks of steady practice

cise IV .- Starting from the correct standing position, place the outstretched arms behind the back, with the hands below the hips and grasp the medicine ball in clenched hands, with the little finger turned outward. Raise the elbow as much as pos sible, at the same time lowering the shoulders to the fullest extent.

After this position is gained shove the arms and ball down hard and low. Hold for a moment and then relax.

When the elbows are at their highest possible point, the shoulders are improved, and when the ball is closest to the floor the back of the arms are exercised. The triceps therefore, are benefited by this movement. Exercise V .- Lie down flat on the abdo-

men, with the legs together. Keeping the body straight and unbending, raise it from the floor, supporting it on the toes and When the arms, which should form right angles with the shoulders, are fully straight-

ened, hold the position until the hands and the forearms, which are severely exercised, become tired. Then relax, and, as with all these movements, repeat after a brief breathing spell.

This exercise may be varied by raising the body on first the right and then the left To strengthen the wrists, raise the body

on the knuckles, on either side of the hands, and on the flat of the clenched hands Exercise VI.-Gaining the correct standing position, hold the arms out straight from the shoulder, entwine the fingers and

turn the backs of the hands toward the tace. Shove the shoulders well forward, and then, as if the arms were heavily weighted down, raise them gradually and place them back of the head as far as possible. When this is done, send the elbow back as much as you can. Hold the position until

pain is felt, after which relax entirely. This exercise, which develops the shoulders and the outer portions of the upper arms, is excellent for straightening rounded shoulders and keeping them in proper position.-N. Y. Sun.

Drug Habits.

It is a regrettable fact that nothing is easier to form than bad physical habits, and nothing harder to break than such habits when they have been formed. For this reason the watchful care of young people during the habit-forming period of life should be the duty of parents and guardians.

Among these bad habits may be placed those little tricks of self-medication that are so fatally easy to fall into. There comes, for example, the first attack of acne, an eruption of the skin, to which many young people of both sexes are subject for a year r two. It is, of course, easier to give a trial to some drug than it is to enter upon a self-denying course of exercise and bathing, fresh air, patience and abstinence from candy. The advertised drug may be harmless, in which case it is likely to do no good. If it has some quickly potent effect, it possesses properties that should leave it to the control of a trained physician who knows something of his patient before he writes a prescription.

Young people, fortunately, are likely to be good sleepers. When for any reason they are not, they are also likely to be more intolerant of the tedium of wakeful hours than are their more disciplined elders. Here again it is easy to experiment with some one of the many "quieting" medicines, so highly spoken of, so "harmless." A sool sponging off, five minutes brisk exercise and a slowly sipped cup of hot milk hang incorrectly, generally too much for- would be much better, and would prevail eventually, if not the very first night. Many impulse to the self-prescribed quieting doses of some well-disguised, far-distant cousin of fruit. The value of the fresh, acid quality that valuable, but much abused and dangerous drug.

It is a well-known fact that alcohol is the

basis of many of the so-called tonics, and is to be found in considerable quantities in some of them. Whatever opinion one may hold of alcohol as a medicine, nothing can be said in favor of allowing it to masquerade in unknown quantities and doubtful quality in all sorts of medicines put up for selfloctoring. No more insidious plan for the forming of a bad habit could be devised. If one needs alcohol one's doctor will know it, and how much and what kind; and the safe way is to go to him for a prescription. We have all heard of the man who was unwilling to wash in the river Jordan because he expected that a miracle would be performed. The Jordan is for all of us the formation of clean, healthy, common-sense habits. Then we shall not need miracles. Youth's Companion.

Home Remedies.

Every mother should be familiar with simple home remedies which can be used in imes of need. It is not pleasant to be always dependent on a physician to ease every ache and pain.

To cure a ringworm rub the spot with milk from milkweed, which grows wild. In a few days if this is persevered in the spot

will entirely disappear.

When milkweed is not to be had put a copper penny in a tablespoonful of vinegar and let it remain until it becomes green; then wash the ring-worm with this liquid several times a day until it disappears.

A sharp pain in the lungs or side can be driven away by applying vaseline and mustard in the proportion of two parts vaseline and one part mustard. Rub it together and spread on a piece of linen as you would an ordinary mustard paste. This is also excellent for a severe pain in the back of the neck, and has been used with good results for breaking up influenza.

To break up a hard cold at the start, take hot mustard bath and go to bed, being careful not to take more cold afterwards. Flaxseed tea with plenty of lemon juice and loaf sugar is very soothing to sore ungs, and will often cure a hard cough. Equal parts of honey, olive oil and pure ome-made wine made from grape juice or currants is both soothing and strengthen-

Physicians are advocating the use of pure olive oil for weak lungs. It bids fair to take the place of cod-liver oil, and is thought

by many pleasanter to take.
Olives, as a food, are considered very strengthening for those with lung troubles. frequently regulate the bowels so the ubled with constipation will be all right. Ripe fruit, as apples, peaches, pears and grapes, is a great regulator of the bowels. Those who suffer from long-standing constipation will do well to take a tablespoon fu

There is no better cure for billousness twelve eggs. After peeling and trimming

than boneset tea, or that made from German chamomile. Drink freely of it for several mornings. Lemonade and any sold fruit are also excellent for biliousness, as well as

raw or cooked tomatoes.

To remove the inflammation caused by running a nall into the hand or foot, apply a piece of salt pork immediately and bind on the part.—Health.

The Hot Sand Bag.

"Get some clean, fine sand and dry it thoroughly in a kettle on the stove; make a bag about eight inches square of flannel, fill it with the dry sand, sew the opening care-fully together, and cover the bag with cotton or linen cloth. This will prevent the sand from sifting out, and also enable you to hear the bag quickly by placing it in the oven or on the top of the stove. After once using this, you will never again attempt to warm the feet or hands of a sick person with a bottle or a brick. The sand holds the heat for a long time, and the bag can be tucked up to the back without hurting the invalid .- Health Culture.

Enteric Fever. Enteric fever is usually caused by the introduction of a ferment into the intestinal canal, which by its products, called ptomaines, or poisons, bring about fever, the fever being mild or severe, according to the amount of poison. Usually the bowels will be tender, and distended with gas, tongue coated brown, and considerable pain and

The indications for treatment are to educe the fever and remove the ferment ausing the trouble in the bowels. Sponge baths, an occasional tepid enema, if it does not cause pain, and compresses over the bowels, will all be gratefully received. The fever can usually be controlled by these measures. If the temperature is as high as 105°, a sponge bath every twenty minutes on the extremities, a cold compress on the head and a continued wet compress on the bowels, will be all that is necessary. This treatment must not be given heroically if the patient is inclined to be chilly.

An antiseptic should be taken within, and there is none surpassing in efficacy salol three to five grains, four times a day,

In enteric fever the food should be carefully considered, and in the height of the attack should not be pressed. Delicate dishes of a bland variety will usually be borne, especially if the fever is not high. As a rule, buttermilk may be taken. Scalde milk with biscuits, provided the bowels are loose, and scalded milk alone, taken often, will be gratefully received. Egg-nog, ric el tea and broth will also be admissible. Unless the patient be emaciated, it is always well to give the food sparingly in the earlier stages of the disease. A few days of this kind of treatment will often terminate some of the severe attacks.-English Paper.

Greens as a Spring Tonic.

At the beginning of spring there come an uncontrollable longing for fresh, green vegetables and acids. The same feeling possesses the sailor far away at sea-a longing which produces disease if neglected for too long a period. History tells of entire munities in the virgin forests of the new world who perished in winter from scurvy In one case a colony from the Old World was saved by the discovery of a cranberry bed under the snow, out of which the fruit was quickly dug, and gave the necessary vegetable acid to the suffering colony.

In these modern days, when tropical fruit and green vegetables are brought to marke in abundance in winter, one can hardly real ize the suffering from scurvy after the long shut-in period in olden times. As late as the eighteenth century there was a scarcity of acid foods in the early spring. The rhubarb plant was then welcome as an anti scorbutic, because it could be obtained much earlier than any fruit that ripens in fields, gardens or orchards. Its early name fruit shows for was chiefly used, as a substitute for stewed of the rhubarb makes it superior (on the core of health) to any canned, dried or preserved fruit, and it was known to our ances tors as one of the best anti-scorbutic foods that could be obtained. Today, when the horrors of scurvy are no longer to be feared in the civilized world, there is still, however, a suggestion of the old trouble that comes in the spring from the need of the good green herbs of the earth and of acid

Though rhubarb is no longer a necessity to health, it is a plant which should not be neglected, but stewed regularly when fresh, as a spring tonic, good for young and old ember to cut the rhubarb without peel ing it. Season it lightly with sugar. Stew it slowly in an old-fashioned porcelain pipkin. Like lettuce salad, it is one of the est and most certain remedies for the tired, worn feeling of spring that can possibly be given the family.

Use salads freely at this season of the year, and stews of good green herbs, like spinach, sorrel and any pot herbs. Healthy people eat dandelion greens as eagerly as nealthy animals eat grass. They fill a want that nothing else seems to do. People were healthier in the old-fashioned times, when they gathered the greens from the good earth and cooked them as soon as they were gathered.-Tribune.

· Fresh Eggs.

After the first of March fresh eggs begin to become common in spite of all the at-tempts of speculators to get control of the markets. Fresh eggs are soon within the reach of every one. Omelette and poached eggs are luxuries which no one can prevent at this season of the year. Eggs delicately fried are not especially common in this country, though coarse, greasy fried eggs are common enough. Cooked in lard, as they frequently are to avoid their turning dark, they have a flavor that renders them unfit for food. Fried in butter they may be delicious, but they invariably turn dark. There is only one article that eggs can be fried in successfully. That is good, sweet oil. Place in a frying pan on a hot range two tablespoonfuls of perfectly sound, sweet olive oil. When it is hot and smoking break into it one fresh egg. Turn it ove with a table knife, fold the right side of the egg over the yolk and cook for a quarter of a minute longer. The egg may now be turned with a cake turner and cooked for a quarter of a minute on the other side. Slip it with a cake turner on to a hot plate and it is ready to serve. If it is cooked any longer it will be overdone. If the egg is perfectly A glass of water drank half an hour be- fresh the yolk will not break. Egg that fore each meal, and just before retiring will. are so stale that the yolks break and separate from the whites are not fit for poaching or frying.

A delicious way to cook fresh eggs for the table in the spring is with mushrooms. These are always in market from the greenhouse if not from the field. A quarter of a pound of mushrooms is enough to serve with

the mushrooms melt a tablespoonful of the mushrooms melt a tablespoonful of butter in a saucepan. Add a teaspoonful of salt and a saltspoonful of white pepper. Then add the mushrooms, properly cleaned and trimmed, squeezing in two drops of lemon juice. Cover the saucepan and let the mushrooms cook for ten minutes on a slow fire. Add a tablespoonful of wine and simmer the mushrooms for about three minutes longer or notif the liquid three minutes longer, or until the liquid has been reduced one-half. Now add three tablespoonfuls of cream and let the mushrooms boil up again. Dish the mushrooms in the centre of a hot platter, without the liquid around them. Lay twelve poached eggs in a circle around the mushrooms. Pour the liquid of the mushrooms over them and around the eggs. This dish is nice without wine, simply served with the three tablespoonfuls of cream added to the mushrooms.-N. Y. Tribune.

Care of the Teeth.

Careful, intelligent care of the teeth is as necessary to the health as that devoted to any other part of the body. Fungoid wths which occur among the teeth are said to be a cause of dangerous diseases of the throat. At least once a week the teeth should be thoroughly washed out with saponaceons dentine. Ordinary white castile soap is one of the best articles for this ourpose. If it is used daily it may make the eeth vellow; therefore it is better to limit its use to once a week. It is one of the best things for destroying living organisms that are so liable to infect the teeth. The alkali of a mild soap also arrests decay by counter eting the acids of various foods.

A simple excellent tooth powder, to be used daily, is made as follows: To one-half ounce of the best English prepared chalk add one dram each of pulverized cuttlefish one, pulverized Florentine orris root and pulverized borax and pure powdered sugar. Mix these ingredients to an even powder. Let the chemist season it with a few drops of oil of wintergreen. Put the powder in a large mouthed bottle and cork it tightly. One of the best washers for the teeth is tincture of myrrh used ecasionally. Purchase ten cents worth at a time. After brushing the teeth thoroughly with powder put a few drops of myrrh in a tumbler of water. Rinse out the mouth and teeth well with this solution None of the expensive French washes which are recommended for perfuming the breath and hardening the gums are better than this preparation of myrrh.—N. Y. Tribune.

Domestic Hints. SOLES BAKED, ITALIAN STYLE.

For this dish select medium-sized soles, lay them on the table, the white side underneath then proceed to cut off the heads on the bias from this side suppress the gills and empty the sole thoroughly; cut off the thin tail end and scrape the surface with the dull edge of a knife scrape the surrace with the duli edge of a knife to detach slightly the skin covering the tall, keeping the tall bone in position with the same side of the knife; selze the skin with a towel, and tear it off violently with one stroke. Use a pair of large selssors to remove the small nes found on the outside, and scrape the white skin, then wash, wipe, and make a straight incision on the skinned side to middle bone, then detach the fillets half a nch on each side. Butter a baking dish, lay in it the soles, having the skinned side down, and pour over two gills of white wine, salt and pepper; lay a few pieces of butter on top, and et the stock come to a boil, then set the dish into the oven for five minutes; when through lay six channeled mushroom heads in a straight row on op, cover with an Italian sauce and dredge over a thin layer of bread-raspings; pour over melted butter and cover in a hot oven from twelve to

To one cup of fine chopped meat add one cup o ine breadcrumbs, one spoonful of fine chopped onion. Season with pepper and salt and a spoon ful of melted butter; add enough milk to bind to early fill with the mixture; break an egg care fully on the top of each one; dust with salt an

EGG GEMS.

SAUSAGE WITH BUCKWHEAT CAKES. Prick the sausages well and fry in a little bacon outside, leaving space for the cakes in the centre Cakes.—Mix thoroughly two cupfuls of buck-wheat flour, one of wheat flour, a little salt and three teaspoonfuls of baking powder; then add milk and water of equal parts to make the batter of the right consistency. Add a little repleases of the right consistency. Add a little molasses which will give them a better color. Fry on a

papstone griddle and pile neatly in the cen the ring of sausage. POTATO SOUFFLEE (CHAFING-DISH.) Mix a pint of mashed potatoes with half a cup of thick cream and the whites of two eggs, beater

stiff. Put two tablespoonfuls of butter in the chafing-dish, and when very hot put in the pota-ces in large tablespoonfuls. When brown on one side, turn, brown the other, and serve im ilately.

MUSHROOMS EN COQUILLE.

Wash half a pound of nice, fresh mushrooms eel them and cut off the stems, cut the flaps into ice and put the skins and stems in a sau with a cup of water and cook for ten minutes e are cooking put a heaping tal spoonful of butter in a spider, when hot add the mushroom dice and let them cook until tender. then add a dessertspoonful of flour, and when it is cooked add the water the stems were belied in, and salt and pepper to taste. If the sauce is too thick, add a little more water. Stir in at the last a teaspoonful of finely minced paraley, a few drops of lemon juice and the well-backer, which can be seen a stir well remove from beaten yoke of one egg, stir well, remove from the fire, fill the shells, sprinkle breadcrumbs over the tops and a little melted butter, put in the oven for an instant to brown.

EGG LEMONADE. Two eggs. Juice of two lemons. One cup of Two eggs. Juice of two lemons. One cup of snow or pounded lee. Sugar to taste. Beat the yolks of the eggs light, and add sugar and lemon juice. Turn all into the ice or snow and thin slightly with cold water. Whip the whites of the eggs to a stiff froth and beat all together as quickly as possible. This should be served in ediately.

Hints to Housekeepers. In place of the thick cotton pad which pro-tected the dining-table so long is an asbestos pad, which insures the highest polish from damage from hot dishes.

Cold cream rubbed around the nails will counter act the tendency to crack and will keep the skin around the nails soft and fresh looking. Rinsing the face and hands thoroughly after

washing is quite as important as the washing itself, if the people who make beauty a study are itself, if the people who make beauty a study are to be believed. The soap must be got out of the pores or it will roughen and dry the skin and often aggravate the tendency to blackheads. Candle shades decorated with transparent de-signs are preferred by many hostesses to solid colored ones for table use. The shades are made

present and the passion for chains and strings of beads is growing stronger. All sorts of odd medalitons and pendants are being worn that heretofore have reposed in cabinets, and a Zulu bracelet or an old Egyptian amulet, dingy and districts the strength of the cashmere will be popular this season, and there are soft, delicate silks in cashdallions and pendants are being worn that heretofore have reposed in cabinets, and a Zulu
bracelet or an old Egyptian amulet, dingy and
dull, is prized more than the daintiest of pearls
or diamonds. In the hunt for odd and curious
jewels of this sort it has become the fashion to
haunt pawnbrokers' sales, at which some of
these things are usually to be found and may be

chased cheaply, as they have rarely any in value. Some of the chains are and the heavier ones may be we

Green peppers and tomatoes cooked together in a sauce are excellently suited to accompany boiled rice. Allow one green pepper for a cupful of tomatoes. Chop the peppers fine and add to the tomato pulp. Cook together with a heaping teaspoonful of butter, the juice or grated pulp of a small onlon, salt and paprika. Serve without straining. A little tabaseo sauce or curry may be added. The peppers may be used in a similar way in stuffed tomatoes. Green peppers and tomatoes cooked togethe

A drop or two of vanilla in the coo late cups before the liquid is poured will be found

fashion Motes.

. Among the laces and nets used for fashion •*A mong the laces and nets used for fashion able dresses, waists and trimmings, are all-sill black antique, Cluny, Venise, Irish crochet, point Marquise, point Curri, Ritcella, guipure d'art Colebert, Flemish, Teneriffe, Russian and Louis XIV. patterns, in insertion bands, edgings and appliques. Many of these laces include matching sets of fichu, skirt flounce, insertion bands, and narrow strips for edging stock collars. The all-over nets suitable for gowns, blouses, yokes and undersleeves are in black, white, cream and washe or facilly gray and most of them have Arabe or ficelle gray, and most of matting bands to use for skirt seams, insertion between tucks or shirring, and for turn-over or top-collars made of lace and batiste.

. Gray, ecru and white linen gowns embrois ered in mercerized floss, rank among the fash lonable styles for next season. A wide band of this trimming borders the skirts of some of the French dresses. On others, three horizonta rows are let in on the skirt between rachete ucks of the dress material. Narrow bands sometimes outline the seams of gored skirts, or the embroidery, in graceful trail ng designs, is used to head an accordion-plaited or flat gradu-

. The revived style of fluting is used, as well as box, side and accordion plaiting, on skirts of Swiss muslin, French organdie, India mull and other transparent summer fabrics. Evening toilettes show fluted frills alternating with five narrow horizontal tucks reaching to the hips from the skirt-nem. Above these is a yoke made of all-over embroidery, fine French shirring, or bands of insertion and tucking in groups of

... The skirt improver has reappeared now that ore fullness is added to the back of dress skirts. This is in the shape of ruffles of mohair or fine hair-cloth set upon a closely gored petticoat. The ruffles are wide and moderately full on the ower half of the skirt, tapering gradually to just below the waist line. These improvers keep in place the lines of the flat box plait, or hold out at the centre back of the skirt. The improver is fitted very closely on the front and sides, fron

. An effective French hat is of reseda green and brown fancy straw. It is draped around the curved brim with soft brown tulle, lightly dotted with minute gold pallettes. This drapery is caught at intervals by small bunches of dark green velvet leaves and shaded briar roses, with rellow hearts. A full chou of the tulle is set at one side of the hat, and under the bim is a drapery of the tulle held by a gold buckle.

. Clan tartans appear among the new weav voile, etamine and French zephyr stuffs. . Among other Paris models that a Fifthner sets forth this week is a hat of item-green tulle covered with dark green gera-nium leaves as rough and velvety in appearance is the natural foliage. It is trim red geranium biossoms and a broad Alsatian bow laced flat on the top of the low crown towards the back. A second model made entirely of tea-rose petals has as its only decoration a wreath of scarlet velvet holly berries.

. An attractive gown worn at a recent de muslin, beginning in fine accordion plaitings at the top of the bodice (cut out a la Vierge), arching into graceful curves at the waist, and ou again at the hips, and falling from thence to the oor in slightly expanding lines. Cream lace nedallions and black velvet ribbon trimmings were most effectively used on the gown, the opening in the neck was filled with ecru Venise net, and the elbow sleeves were mere gauzy effects of lace and plaited silk muslin . New blouse waists made of Cluny lace ove

. A Broadway importer has this week exd the following novel and attractive materials: Gold metal crepe de chine, printed crepe, Leda, black and white mousseline grenadine, roile Nin patterned Louisine, shot damasse satin, Dresden taffetas, embossed peau de soie, Shantung, Shanghai, and new weaves and combinations in Lyons-woven foulard silks.

. Well-informed dressmakers recommend to their patrons who desire something in the way of a blouse waist that is not universally worn, a del of cream-white cloth trimmed with fro shoulder and sleeve bands of silk embroidery in delicate Persian patterns. The waist is laid in vertical pin tucks, with narrower strips of the embroidery introduced between every fifth and sixth row of tucking. Another handsome garment is the collarless long coat of white ladies' cleth, trimmed with stitching, white silk braid and filigree gold, or pure white taffets silk buttons. Other models of similar shape are made of English tweed, or royal blue zibeline rimmed with white broadcloth strappings, pip-

. Shirring, plain or corded, takes the place of king on many of the latest French dress

.*. Vacation time will bring out an assortment ndsome fancy wraps that will include handombroidered Monte Carlo jackets in white or opal gray canvas, white taffets slik, and white cloth or camel's-hair coats, unlined, trimmed in various novel and attractive ways, and made with various hove and attractive ways, and made with bishop or flowing open sleeves; pelerines of silk, chiffon, brocade, embroidered linen, peau de sole or Liberty satin, with long scarf ends; and collar-less blouses in every sort of material, finished with embroidered or lace-trimmed stole ends-pointed girdle and fancy sleeves. The "Lady Curzon" coat is of box-plaited white satin, with pointed girdie and fancy sleeves. The "Lads Curzon" coat is of box-plaited white satin, with drooping, deeply pointed cape collar of Flanders lace. The box plaits are partly covered with lengths of lace insertion, and in front is a quaint plastron of Persian brocade, the designs outlined with gold and sliver threads. The coat is loose both front and best and feature that have both front and back, and fastens at the throat with an art nouveau clasp of Persian pattern, framed in gold and silver filigree.

••• One of the new weaves in etamine canvar has a rough hairy surface like an English frieze lors. At a little distance from the goods they have just this appearance, but examination shows a sheer, semi-transparent material instead of a heavy wool one. A French model exhibited this week shows a mixture of black, gray, white this week shows a mixture of black, gray, white and a glint of red in this weave. The gown is piped with red silk and finished with large but-tons of black and Ivory, rimmed with cut steel. The dress is made up over a rich shade of claret-colored taffeta that gleams faintly through the meshes of the rough etamine. ... French dress designers are making great use

of pipings on many of their spring and summer gowns. Dresses of slik and light wool are piped with tartan plaids, and fancy foulards in blue and white, brown and ecru, violet and cream colored ones for table use. The snades are made of paper, usually white, set with miniatures of color, etc., are used to pipe frocks of etamine, old-time beauties and studded with jewels that gleam and glow against the mellowed candle-light. Paper shades of Empire shape are also ornamented with cut-out, painted floral designs of silk gauze, set in without an inner lining.

of silk gauze, set in without an inner lining.

Another device, although better adapted to a lamp shade, may be employed for the candle. It is the application of cut-out cretonne or silk floral designs on a white pet foundation.

There is a rage for antique jewelry just at the nestion for chains and strings of these collars show the barrister finish of one or two pointed ends.

mere colors, striped, or dotted in white, that are used for shirt waists, with skirt and jacket costumes of the cashmere.

Solong, unbroken lines, panel effects and down-pointing bands and curves are given to

Our Lady Readers will Recognize This Picture.



Dobbins' Electric Soap

The soap their mothers used to delight braising. Dobbins' Electric is the same purifiel it was when it was first made and countries to bar. If your clothes do reat as long and look as white as they used it is because your laundress is using so the cheap trash, loaded with rosin or adulterants, that is sold as soap. Dobb pure, and made of borax and the fines it whitens the clothes, and preserves it is the greatest disinfectant in the sold by all grocers.

DOBBINS' SOAP MANUFACTURING CO. Sole Manufacturers. Philadelphia.

gowns made of canvas weaves, silk and satisfoulard, taffetas, veiling, crepe de chine another spring materials, by the use of braids, sill or velvet ribbon, insertion bands and graduated lesigns in silk or lace applique, arranged upo the skirt to give the appearance of slen and height.

•• Peach blossom and violet blue (the mixed

tints of the hydrangea) are a favorite color com-bination on French millinery, and among shot and China silks. . The light twine cloths, silk-and-wool canvas

materials, etamines and mistrals are used in making gowns for the spring and early summer. Robe dresses of linen in many different weaves are conspicuous among the season's importations. These boxed patterns are decorated with lace and embroidery.—New York Evening Post.

The World Beautiful. Lilian Whiting, in Boston Budget.

"We are invited to use the season of Lent in a resolute effort to attune the life to a higher pitch.
Could I suggest a more profitable exercise for us
all, than that we should resolutely test the reality of our higher conception of God, by a systematic inquiry into the effect it is producing on our char-acters? No manual of self-examination is needed other than that provided by the Holy Spirit in the Epistle of today. I suggest that we should di vide this mirror, this inspired analysis of the character into which we should be tranforming, into six headings, one for each week in Lent, and honestly, prayerfully, labor to supply any deficiency ourselves that we may discover. For example, in the first week in Lent we might consider 'Suffereth long and is kind'; the second, 'Envieth not, seeketh not her own'; the third, 'Is not easily provoked, thinketh no evil': th fourth, 'Rejoiceth not in iniquity, but rejoiceth in the truth'; the fifth, 'Beareth all things, believeth all things'; the sixth, 'Hopeth all things, endureth all things.'
"It is a test that will touch every conceivable

condition of our lives, every possible avenue of thought, word and deed." "As we have therefore opportunity,—let us do good to all men."—St. Paul.

That wonderful test of seeing every event of life from the point of view of the will of God simply transforms and revolutionizes the entire scale of experience. It simplifies all perplexities, it offers the solution for all problems. It illuminates the small and the apparently insignificant occurrences which, nevertheless, contrive to play so large and often so determining a part in our days, as well as it places in high relief the great questions that beset one in his varied round.

When Herbert Spencer produced his great "Data of Ethics" he did not consider in it the ethics of interruptions which sometimes assume a formidable place in the strenuous life. One is perhaps exceptionally patient and tolerant, when it is a question of great trial, or calamity, and not in frequently very impatient with the triffing nnoyances and demands and interruptions that occur. Yes, is there not, just here, a richness of opportunity in the aim to "do good to all men" that may often be unrecognized? A writer who may be pressed for time finds in his mail matter a number of personal requests from strangers. One package contains MSS., perhaps, which a woman in Montana entreats shall be read and returned with advice or suggestion. Some one in Texas wants a paragraph copied that he may use it in compiling a calendar. An individual in Indiana has a collection of autographs for sale and begs to know of the ways and means for disposing of them. And an author in Arizona desires that a possible publisher be secured for her novel, and so the requests run on. Strictly speaking, perhap, no one of these has any real right to thus tax the time and energy of a stranger; but is there not another side to it? Here are an array of interruptions, but why not give them another name—that of opportunities? One has, perhaps, his theories and his convictions regarding the service of humanity. He holds it to be a duty,—a privilege. He believes that it is through entering this service that he may even co-operate with God in helping humanity. To humanity" is a very attractive and high sounding term. But what is human Is it not, after all, composed of individual And here are individuals to be held here they are, with their several dividual requests, and the injunction the apostle suggests itself. "As therefore opportunity,-do good to all Do not the interruptions assume a new and are they not, thereby, transfigured glad and golden opportunity?

And it is the will of God,-that great sistless and unceasing force, working neath all our human wills-it is the God manifesting itself in small thin well as in those that seem outwardly important, that has grouped all these things together and sent them on pecially busy morning. Shall not joice and recognize that the need of is brought as a privilege to hi The blessedness of giving is no are gifts that far transcend these of patience, sympathy, thought and sel, and (such is the Divine Law) these are gifts that the can give. The need on the one side the luxury on the other, for it invite pathetic comprehension and the one's time,-even in a full and busy it is not so much time that one as it is right conditions. An hour the work of a day-when the conditi harmonious, and nothing so increases degree of spiritual energy as the glow ardor and joy of doing some little service another. In this lies the real blessedness, the real luxury of life, and one reads a new meaning into the old and beautiful in tion of St. Paul,-" As ye have therefore opportunity,—do good to all men."
Isle of Capri, Italy.

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Picture. MAS. FOOTE

c Soap

TURING CO., ladelphia. e de chine and se of braids, silk s and graduated arranged upon e of slenderness

blue (the mixed vorite color comand among shot -and-wool canvas als are used in d early summer.

different weaves eason's importa-re decorated with k Evening Post. iful. n Budget.

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ye have therefore

The Hon. Geo. Starr Writes

NO. 3 VAN NESS PLACE, NEW YORK.

RADWAY & CO.. 55 Em Street. NEW YORK.

Doetry.

ONE ON THE APRIL SHOWER. Think you the thrushes in the wood, The robins in the clover, Sing sweetest after April showers Because the rain is over?

Think you the oriole has reached Because the sun is shining now Where all the sky was sadness?

Think you the lark has soared aloft To sing his mellow story
Because the cloud is past, and shines
The sun in kingly glory?

Ah, not for these the bubbling thrush, And robins in the clover, Have broken into gladdest song When April showers are over

But now that crystal raindrops hang, Each thirsty little bird has had A chance to wet his whistle! -Aloysius Coll, in Lippincott's.

WITH OUR IDEALS. In the beautiful realm of ideals,

What sweet bliss the fond heart ever feels, There we find in perfection sublime, Souls that never descend to a crime. We with sweet admiration are filled,

And the soul could not cease, if it willed, To'desire to be like our ideals: But then, oh! how humanity feels. Its own weakness that keeps it below

The proud heights upon which we would go; But the soul ever upward is led By ideals that are leading ahead. Let us ever then strive for ideals, 'When the heart nobler sentiment feels, And our mission will ne'er be in vain, Though ambitions we never may gain.

MARTHA SHEPARD LIPPINCOTT. Moorestown, N. J. THE EARTH AND MAN. A little sun, a little rain,

A soft wind blowing from the west—
And the woods and fields are sweet again, And warmth within the mountain's breast. So simple is the earth we tread.

So quick with life and love her fame, Ten thousand years have dawned and fled, And still her magic is the same.

little love, a little trust. A soft impulse, a sudden dream-And life as dry as desert dust Is fresher than a mountain stream. So simple is the heart of man,

So ready for new hope and joy; en thousand years since it began Have left it younger than a boy. -Stopford A. Brooke.

OLD FRIENDS. Where are they scattered now,

The old, old friends? One makes her dwelling where the maples grow And mighty streams through solemn forests flow: Yet hever from that pine-crowned land of snow A message sends.

me meet me oft amid Life's common ways, And then, perchance, a word or smile declares That warm hearts throb beneath their load of For love grows on, like wheat among the tares,

Till harvest day.
But "some are fallen asleep"— The words are sweet; ends at rest beneath the blessed sod, My feet still tread the weary path ye trod. Ere yet your loving souls went back to God. When shall we meet?

Oh, then divinest Friend, When shall it be When shall it be
That I may know them in their garments white?
And see them with a new and clearer light,
Mine old, familiar friends—made fair and bright,
Like unto thee?
—Sarah Doudney.

THE SOUL'S TRUE VOYAGE.

Woulds'f thou, my soul, safe voyage make e's tempestuous sea. And calmly breast the storms that break

eck or threaten thee? thou with steady helm pursue e 'gainst wind and wave,

nted prow, and compass true, parit strong and brave? Won thou, when seas are calm and bright beams o'er them play, th that supreme delight

ings from Hope's pure ray? thy Captain and thy Guide, alone thy chart;
prayer with Him abide:

O. than thee in storm or calm. nce will be given, be in His mighty Palm, thee safe to Heaver -Roger H. Lyon.

100m enough for all men here s busy, whirling sphere. ush and crowd and jostle so? there's room enough, but where wd is sure to want to go.

-Chicago Re are men who never roister. lead successful lives; world may be their oyster, they have no oyster knives.

—N. Y. Times.

-...But fee would frown and few would weep Down here beneath God's azure dome Down here beneath Got 3 and If people always tried to keep
Their company manners on at home.
—Chica_Lo Record-Herald.

Miscellaneous.

Seraphiny's Substitute.

Scraphiny's Substitute.

Scraphiny's Substitute.

Come 'long, nignth; you's losh' hit all severe attacks of sciatics, sometimes of the limiter from the limiter project of the severe attacks of sciatics, sometimes of the limiter from the limiter project of the limiter from the limiter project of the limiter from the limiter project of the limiter from the limiter from the son's entire to the limiter from the limiter from the son's entire to the south side of Big Rock Church, made a dash to the or relief.

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the greater part, had to be sacrificed to the sugar and coffee gods.

Early in March there came a two days freeze that ended in an afternoon thaw. About two o'clock in the night a loose shingle above Seraphiny's bed in the loft permitted a bit of melting lice to drop directly on her face. She awoke with a start, and as the drip of the Hitle brook, gurgling at the foot of the hill, fell on her ears, she wondered drowsily if the sap had begun to run.

The summent of the space of six months away from any town whatever, and if at the end of the time she could bring certificates of good behavior and proof of having remained away from any towns, as stipulated, she would be received back into the church from which she was now summarily turned out.

There was a low murmur of conversation like the buzzing of bees, which was silenced by the preacher again rising.

phiny's bed in the loft permitted a bit of melting ice to drop directly on her face. She awoke with a start, and as the drip of the little brook, gurgling at the foot of the hill, fell on her ears, she wondered drowsily if the sap had begun to run.

"No, my trees is on de cole north side," ahe reflected; "dey won't run befo' de sun stracks 'em termorrer noon, but dem Green niggers' trees is runnin' now, I'll be willin' to bet a dime!"

Suddenly something prompted her to rise, throw on her clothes, her rusty hood and shawl, and in her stocking feet creep stealthily down the ladder leading from her loft and past her foster parents, who snored heavily in their four-poster. The door once closed behind her, she drew on her shoes, and taking up two big tin buckets went hastily to the north sugar camp. She stopped by a tree and felt the sumach spile—the lice in it was hard as a pone. Quickly and de-

among the dead leaves in the path, the sould of other footsteps sent a faintness over her. She looked fearfully behind her—nothing living was visible, although to her excited fancy the dogwood branches waving in the full light of the moon looked like human hands pointing after her. Clip Cummins stopped at the Swinebroads' that day, and at the earnest solicitation of the old people remained to partake in the midday meal.

"I jes' drapped in," he explained, "tuh see ef you alls didn' need some wood cut uh millin' done uh somethin'. I heerd you wah mighty bad off in yoah laigs wid de rheumatiz' nhgin, Unc'

"Lak' mighty well tuh hab you holp saw some wood at de camp dis evenin', tip, ef you will. I kin git ez fur ez de camp wid my ole laigs an' set on uh log and saw fust rate," said Uncle Luke. "You's pow'ful good tuh us ole folks, boy; da' ain't many youngsters as thoughtful!"
Clip would have blushed if his inky skin could redden at this apparent compliment. He well knew and suspected that Uncle Luke knew that his solicitous attentions rose from a wish to be near Seraphiny rather than from a charitable desire to help the afflicted. He drank his coffee

now, happy that Seraphiny had poured it, and despite her scornful air his look of wistful admiration rested on her face during the entire meal.

And to her intense disgust during the afternoon at the camp she caught his adoring eyes on her whenever she turned in the direction of the two "When I gits my summuh outfit," she mused r her steaming kettles, "my chip hat wid daisies on hit and de penk lawn dress, wif black velvet trimmin', and sech likely boys as Hiram Badgett, and Lish Swope and Grent Carter is standin, 'round knee deep beggin' fuh my com-

standin, round knee deep beggin run my com-pany I'm jes' g'wine let dat tar-faced, long-necked, shufflin' Clip Cummins know fuh good and all I ain' g'wine hab him hangin' round me!" There was a strain of Indian blood mingled with the white and the negro blood in Seraphiny's veins, infusing a clear olive in her complexion, giving grace and symmetry to her figure, a dainty smallness to her hands and feet, a brilliancy to her black eyes, and withal a proud and haughty demeanor that, while it rendered her an irresist-ible beauty in the eyes of her male acquaintances

ible beauty in the eyes of her male acquaintances was displeasing to her youthful female associates. "Seraphiny's ole Injun pride g'wine hab a comedown some day!" they hopefully predicted. Sunday, the day of the monthly meeting at Big Rock, found Seraphiny and her aunt and uncle, clad in their best and in good spirits, seated in the old blue spring wagon, with the white mule's head turned in the direction of the church of which they were all members in good standing. It was a proud thought to the Swinebroad family that none of them had ever been "before the church " for any misdemeanor. the church " for any misdemeanor.

After the unusually short sermon the pastor announced that a brother had brought in a charge against one of the members that required investigation and he requested that the accusing brother and his witnesses come forward and the left front bench, while the four deacons occupied the front bench to the right.
This done the preacher solemnly said:
"Brother Green will please lay de complaint

befo' de deacons representin' de church."
"On Monday mawnin', bredderin'," Barlow
Green pompously and dramatically began, "long 'bout un quarter o' an hour befo' sun-up I tuck de buckets and me and my son Israel went tuh de Three Oaks sugar camp me and my folks is privileged tuh run. De water had been runnin' all night and ez we had overslep' ourselves we 'lowed tuh fine de pails all mostly full and runnin' over. An' whut you s'pose we foun'? De buckets wah consid'ble o' 'em not a drap over half full, and at de fur eend de camp—outtoward de hill wha' de Cole Spring camp run by de Swinebroad family is da' wah some wooden pails and stun jairs puffectly empty! And when I got tuh dem I seed climbin' de hill uh movin' figger wid two tin buckets in de hands o' hit! Den when Israel got done emptyln' de buckets all, whut you s'pose we foun' on uh clump o' briers nigh one de trees? Uh piece o' purple callicy outn uh woman's skeert, and de yuthuh witnesses 'll test'fy who dey seed wearin' dat skeert. As soon's 'twah light good me an' Israel we sees some pinted shoe tracks in de sand whut de branch had let' an' we followed de track clean ober de hill tuh de Cole Spring camp tuh uh full barrel o' water—fresh sap— fresh splashed on de outsides de barrel—wha' fresh splashed on de outsides de barrel—wha' hit had jes' been split when poured in! An' de splies in de trees, dat camp bein' on de north side de hill, had ice in 'em ah' de buckets wah dry inside ez uh sunbaked shoe! Dat water wah toted fum de Three Oaks camp. Stole, sistuhs and bredderin', by Sistuh Seraphiny Swinebroad!"

Every one had listened intently and with mouth

farm."

He stood now, in dignified silence, in the middle of the barn floor, his great, beautiful eyes following the children closely, and his funny little tail quivering to and fro, as though he, too, were anxious to be an faint "coop" sounded from a corner of the barn. Bob's head came out of the blanket.

Every one had listened intently and with mouth

And thus it was settled. Seraphiny went to

church and town when she got ready, and Clip stayed at home and worked and hoped.

And when the six months were up, one September day, in a north-bound Jim Crow car, going on a twenty-mile journey, and wearing a chip hat with dalsies on it, and a pink lawn dress trimmed with black valvet ribbons was a young trimmed with black velvet ribbons, was a young woman, bright-eyed and graceful—Seraphiny herself, with the added beauty of happiness sitting apon her. With her was a dark youth who upon her. With her was a dark youth who walked with a shuffle—a youth whose long neek was enveloped in a tall celluloid collar, and whose lank form was clothed in a new suit of resplendent blackness. His wide mouth smiled continuously in the exuberance of his joy. Clip had been promoted that day from the lowly and uncomfortable position of a substitute to the exalted and happy state of a husband!—S. B. Hackley, in N. Y. Evening Post.

Pouth's Department.

THE EXPRESS TO SLEEPTOWN I know a little traveler Who every single night

Starts upon a long, long journey, That lasts till broad daylight. Her ticket reads, "Sleeptown Express,"

And, when she pays him with a hug, He says: "I thank you, Miss. 'Just take the berth marked 'Dreamyland,' You mount it by the stairs.

Make haste, because the train should start

Soon as you've said your prayers. Remember, too, on this express,

You tightly close your eyes; And no one reaches sleepy town Who talks or laughs or cries. So, when the sandman engineer

His engine bell has rung, The passenger for Sleepy town Must surely hold her tongue. "Be ready, then, to jump aboard, Kiss mother at the gate.

It's after half-past seven, and
The train is due at eight."

—Gertrude O. Gaskill, in Christian Register. "Georgie."

A True Story. Mamma was sitting at the kitchen window sewing. The kitchen window was mamma's favorite seat; for there she could look a long way off. Down through the orchard, across the low meadow lands, then over the river to the city beyond. And back of that were long lines of

hills, and miles away in the distance rose a high mountain peak that looked on cold spring days like a great white cloud against the sky. So mamma was sitting by the window, busy with her work, when suddenly the outside door flew open and a troop of nolsy children came bursting into the room, all crying in a breath: "O mamma, mamma, do come out to the barn and see 'George Washington' play 'hide and coop.' It's just the funniest thing! Do, please,

How they swarmed about her chair and what a noise they made! Mamma clapped her hands over her ears to shut out the din.

over her ears to shut out the din.

"Mamma's going crazy," said the thoughtful one. "Now all be quiet and let one tell."

"No, no! don't tell!" The others cried excitedly, "That'll spoil all the fun." "Come out and see mamma, he's such a dear!" "You'll just die a-laughing, I know you will," and chattering like magpies they half led, half dragged mamma to the barn.

"Now stand right there, don't move, mamma, just watch and see what he does; you blind Bob!

together.
"I shall never be able to fly or to sing!" it

"I snall never be able to ny or to sing!" it walled.

Then, of a sudden, it had to blink its eyes; for a glorious light had spread over the world, catching every leaf and twig and blade of grass in tears, and putting a smile into every tear. The baby bird's breast swelled, it did not know why; it fluttered from the ground, it did not know

"The sun has come out after the rain!" it trilled. "Thank you, sun! Thank you! thank you! O mother, did you hear me? I can sing!" Then it floated up, up, calling, "Thank you! thank you! thank you!" to the sun. "O mother, do you see me? I am flying."

Historical.

went hastily to the north sugar camp. She stopped by a tree and felt the sumach spile—the ice in it was hard as a none. Quickly and decisively she lifted her buckets again and set off towards the Three Oaks camp. The water dripped noislessly in the palls there; some of them were already full. Seraphiny hurriedly filled her two buckets and tramped back to her own camp, where she poured their precious contents into an empty barrel. [Her arms soon ached and her feet grew heavy with weariness, but she persevered, until at last the barrel was brimming full of water carried from the Three Oaks camp and there was a suggestion of pink in the east.

As she left the hollow, laboriously carrying the last two buckets, her feet crunching noislly among the dead leaves in the path, the sound of other footsteps sent a faintness over her. She looked fearfully behind her—nothing living was visible, although to her excited fancy the dogwood between the crowd.

The was a long silence. To pay over ten hard-earned doliars (heavy punishment itself), to stay away from the delights of town for six months, to promise exemplary behavior for that length of time—who could do it? Hiram Badgett could not, neither Brent Carter nor Elisha Swope.

"Who willil' teck de punishment 'stid dis maiden?" repeated the good man. Then with a great beads of sweat on his land was a suggestion of pink in the east.

As she left the hollow, laboriously carrying the last two buckets, her feet crunching noislly among the dead leaves in the path, the sound of other footsteps sent a faintness over her. She looked fearfully behind her—nothing living was visible, although to her excited fancy the dog-Lafayette, Rochambeau, Adams and other men famous in the early days of this country. He had a romantic career himself, and was a close fcom-panion of Charles Fox and Pitt in England. panion of Charles Fox and Pitt in England.
Major Church has among his store of invaluable
autograph letters one from Fox of a most characteristic nature. It tells its recipient when he can
expect the remainder of a debt which Fox contracted over the cards.

—One of the earliest steam engines ever built is still the main source of power in some rolling mills at Birmingham. It was set up in 1767, and the original wooden beam has lately been replaced by an iron one after 135 years of continuous service. Aside from this iron beam and a cylinder that was put in new in 1802, the engine is the same as at first, even to the connecting rod. For its special purpose the old engine has been pronounced more economical than many modern engines, and it is likely to do duty many years more.

—The well-known assyriologist, Dr. Hugo Winckler, has published an account of the legis-lation promulgated by King Amraphel of Baby-lon, which, so far as is known at present, was the first book of laws ever given to the world. King Amraphel lived 2250 years B. C., and is mentioned in the Bible as a contemporary of Abraham, so that his statutes were drawn up fully five centuries before the laws of Moses. They number 282 and contain the following: "If a woman who sells beverages gives bad value for the money paid her, she shall be thrown into water." "If a wife be a spendthrift, or if she otherwise neglect her duties, her husband may put her away without compensation; but if a man put away his wife for no other reason than that she has no children, he shall return her whole she has no children, he shall return her whole dowry." "If a betrothal be rescinded, the man shall pay the woman compensation." "A widow with grown-up children may not marry again without permission from a judge."—London Express

-It is reported that Colonel Partridge, formerly police commissioner of New York city, in a speech to the Woman's Health Protective Assoclation, informed his hearers that "the police came to be called 'coppers' or 'cops' because at one time members of the force wore copper shields of office." This may be true, but it is notable that the word "cop" is an old English notatic that the word "cop" is an old English word, pronounced "coop" (that pronunciation of it is still heard in Warwickshire), signifying "catch." "To cop" is "to catch," and the word "copper," to denote a constable, seems to be a slang word for "catcher." The word "cope," originally, seems to have been used, sometimes, as synonyous with "cop." Thus in Chabarance." as synonymous with "cop." Thus, in Shakspere's "King John": "And coops from other lands her islanders." The Duke, in "As You Like It," says: "I love to cope him in these sullen fits which may mean either "I love to catch h in his humorous moods" or "I love to contend with him." The use of "cop," probably, came in much earlier than that of either "copper shields" or the copper disks of the gambler.

Curious facts.

-A curious railway accident is reported from India by Cosmos. About two kilometers (11 miles) from Rampore Hat, says the journal, "a train emposed of an engine, thirteen passenger cars composed of an engine, thirteen passenger cars and three other cars, was seized and overturned by a tornado. The phenomenon was absolutely local, since nothing was noticed at the station just left by the train, and except for the upsetting of a few native huts, there appears to have been no other damage done. The number of the recorded is not execute to have for the Hindu wounded is not exactly known, for the Hindu passengers fled panic-stricken in an instant. Thirteen persons were killed and fifteen wounded are known. Some of the cars were turned end for end, indicating a whirlwind."

"Now stand right there, don't move, mamma, just watch and see what he does; you blind Bob! no peeking!" and bubbling over with merriment the children scampered away to hide, and Bob rolled his head up, like a bundle, in the horse blanket.

"George Washington" was a dear little woolly lamb. Born the twenty-second of February, he had been named by the children, and was, as hey expressed it, "the very dearest thing on the farm."

He stood now, in dignified silence, in the middle.

numerous quaint shapes, like the old English yew trees, in the form of peacocks, etc. In Tokio there are gardens filled with life-sized figures

where?"

—Those who have had no practical experience in the use of liquid fuel are often surprised at the elaborateness of some of the methods employed to secure efficient combustion of the oil. One of the latest is the Orde system, which is employed for steamships. First, the oil must be freed, as perfectly as possible, from water. This is done by preliminary settling in a tank. From the tank the oil is pumped, under a pressure of sixty pounds to the inch, into the burners. On its way it is heated to a temperature just below its bolling point, and then, on emerging from the inner tube of the burner, it is met by steam and air heated to 600°, or more, and thus is entirely converted into vapor. In this form it is sprayed into the fiame and consumed.

—The city of Christiania long ago went to law

e flame and consumed.

The city of Christiania long ago went to law on the question of liability for the support of an aged woman. When the case was settled recently it was discovered that the old woman had

been dead for years.

—In the Black forest industrious mechanic are turning out paper knives, cigarette cases, etc., labeled "Made of wood grown near the Matoppos, where Cecil Rhodes is buried."

—Fowls are supposed to have been first domesticated in China 1400, B. C. This is prob-

ably about the same period when, according to Lamb, the Chinese discovered the succulency of

Brilliants.

Our lives are little, but our times are great.
We come, we see, we linger, and we pass;
Weave but a single thread in web of state,
Or give the field a single spear of grass.
We are too often like a boyish class, Where each one stumbles through his dozen lines, And looks bewildered at the stubborn mass And looks bewildered at the study of the look of foreign words and intricate designs,—
But lo! when all is done, through all an Iliad shines.—Rossiter Johnson.

My simple verse, I do admire Your harmonies, your gentle fire Of happiness, your love entire. Ye make a chambered glow for me In which I walk about with you: So I am never out of view Of Light, though dark around it be. Ye spare me tumult and desire, And mad flame of ambition dire

den's monuments, grown old, forget their names They should eternize, but the place Where shining souls have passed imbibes a grace

Beyon' mere earth; some sweetness of their Leaves in the soil its unextinguished trace, Pungent, pathetic, sad, with nobler aims,
That penetrates our lives and heightens them or
shames. —James Russell Lowell.

You were fair as a nandful of splendid roses When first I met you; and now you discover Me here at your shrine again in the old poses, Thirty years later—which merely discloses Ashes of roses are sweet the world over.
—Madeline Bridges, in the Century.

It trailed on a sheltered hillside Where in summer grew woodland fern; And the sunbeam's warm kisses fell on it, Close nestled in coppice and herne. The faded leaves covered it softly; But, when March passed over its bed, It awakened affrighted to listen, And raised up its fair little head.

And when our dear April, so gentle,
With its warm tears the little face kissed, It spread out its green leaves above it, And blushed very sweetly, I wist. And, when I had gone to the hillside To welcome the springtime so new, I was led by the delicate fragrance To the place where the arbutus grew. O timid and sweet little blossom A lesson thou bringest to me—
Though thy life it is fair in beholding,

It is hidden in humility. Have you thought how, cheerily, day to day, The thankless air perfuming, Tho' often stripped of its blossoms gay How never it stops when its choicest rose From its very heart is ravish'd, But richer and fuller its buds unclose,

Hotes and Queries.

And its incense sweet is lavish'd.

TOOTHPICKS .- "R. D.": Most of the American toothpicks come from Franklin County, in Maine, near the forest home of the white birch, out of which ninety-five per cent. of the domestic toothpicks are made. This wood is soft and pilable and of admirable resistance for the purpose for which it is used. Whole mills in Maine are devoted to supplying the country with toothpicks, and in the industry is to be found some of the finest and most intricate of machinery. So tremenfinest and most intricate of machinery. So tremendous is the output of these machines that in a brief season, during the spring, enough toothpicks can be made to supply the markets of the entire country for the year to come. A further idea of the capacity of the machines may be had from the fact that only one hundred men are necessary to operate and run all the mills in Franklin County. Other mills of this kind are scattered throughout Pennsylvania and Massascattered throughout Pennsylvania and Massa-chusetts and western New York, but the real home of the toothpick is Maine. White birch is not the only wood used for the domestic tooth-pick, maple and poplar are employed as well, but birch has the property of retaining its forest

odor and sweetness.

VAMPIRES.—"I. S. T.": Of course there never were such things in existence, and they were only, like witches, the creations of a morbid imagination. The prevailing belief in European countries was that vampires were the ghosts of suicides or others who had died violent deaths suicides or others who had died violent deaths and were forced by the devil to leave their graves at night and feed on the blood of men and women; and any who died at the hands of these dreadful creatures also became vampires. In this way beautiful women became vampires and enticed young men and fed on their blood and flesh. It was believed that they had power to assume apy shape or form desired between sunset and sunrise, and that they committed most of their awful deeds at midnight. They were powerless in the daytime and were generally in a torpid their awful deeds at midnight. They were power-less in the daytime and were generally in a torpid state. There is an old play called "fhe Vam-pire," and upon this Dion Boucleault founded another drama called "The Phantom." GENESIS AND BABYLONIAN INSCRIPTIONS.—
G. F.": Friedrich Delitzsch is the leading

Assyrian scholar of the day. His first lecture to Assyrian scholar of the day. His his restricture to bring him prominently before the public was delivered last year, and at Emperor William's request it was recently redelivered in order that a large number of Lutheran pastors could hear what he had to say. His lecture deals with the origin of Hebrew religion. He believes he has found that the old Hebraic name of the deity, which we are accustomed to pronounce Jehovah, was probably Jahweh, as discovovered on old Babylonian inscriptions. In this recent lecture he seems to hold the opinion that the beginning of Hebraic religion and the great mass of the prehistoric accounts which are found in Genesis are derived from Patricipan sources. And as a natural corollary which are found in Genesis are derived from Babylonian sources. And as a natural corollary of this he does not believe that any special revelations were given to the patriarchs. Speaking from the critical point of view, says Richard Gottheil, professor of Semitic languages at Columbia University, the points which Professor. broad!"

Every one had listened intently and with mouth agape to Barlow's recital, and when he came to name the accused every head was turned toward Seraphiny, who sat erect and defiant, her eyes blazing like coals in her ashen face. Barlow sat down and Israel rose to corroborate his father's statements. Then Ivory Love and her mother testified that they had seen the shred of calico on the briers and knew to whom it belonged. Seraphiny had, to their certain knowledge, two dresses like it and wore them alternately. They knew the shoe that made the track too. Mrs.

of the barn. Bob's head came out of the blanket, who mumerous quaint shapes, like the old English yew then had seed intently and in Genesia are eithed in ches wide, with agape to Barlow's recital, and when he came to name the accused every head was turned toward Seraphiny, who sat erect and defiant, her eyes blazing like coals in her ashen face. Barlow sat down and Israel rose to corroborate his father's statements. Then Ivory Love and her mother testified that they had seen the shred of calico on the birers and knew to whom it belonged. Seraphiny had, to their certain knowledge, two dresses like it and wore them alternately. They knew the shoe that made the track too. Mrs.

of the barn. Bob's head came out of the blanket, who men to mother the since wide, with agapes, like the old English yew then the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the form of peacocks, etc. In Tokio there is the faces blacking with the does not believe that any special revelations were given to the park enters of Semilic anguages at Columbia University, the points which Professor Is under the critical point of view, says Richard Gotthell, professor of Semilic Dientral Sendant Professor Is under the critical p

Colonel Dent had resurrected a pair of men's needle-pointed dress shors of the fashion of a year or two before from her son's closets and given them to Aunt Maria, and Seraphiny wore them every day.

Barbara Warren and Matilda, her daughter, testified, somewhat unwillingly and reluctantly, that early Saturday morning they had visited that early Saturday morning they had visited that serily Saturday morning they had visited that the Three Oaks camp, they had gone there and had been shown tracks in the sand evidently made by the same shoes.

After conferring a few minutes together on the contailed of the house the deacons filed grimly in outside of the house the deacons filed

Caustic Balsam Has No Equal.

HALL'S HILL, TENN., Dec. 17, 1902. The Lawrence Williams Company, Cleveland, O.:
Gombault's Caustic Balsam has no equal for horses. I think and believe if it gets my horse clear of blemishes it will cause many bottles more to be sold in this country. JAMES G. MATHEWS.

> Home Dressmaking. Hinto by May Manton

Skirt. 22 to 30 walst.

Woman's Circular Tucked Skirt with Flounce, 4889. Flounce. 4389.

The skirt is cut in two portions that are joined beneath one of the tucks, and is lengthened by the flounce. The upper-portion fits with perfect smoothness over the hips, where all fuliness is collected in narrow graduated tucks, and is laid in the wider tucks before the front seam is closed. When liked this last can be accomplished by means of lace stitches in place of the simple stitching. The flounce is graduated and finished with three tucks at its lower edge. The fuliness at the back of the skirt is laid in flat inverted plaits.

The quantity of material required for the medium size is 10½ yards 27 inches wide, 6 yards 44 inches wide or 1½ yards 52 inches wide.

The pattern, 4389, is cut in sizes for a 22, 24, 26, 26 and 30-inch waist measure.

Weman's Tucked Blouse or Shirt Waist-

To be Made With or Without the Fitted Lining. The waist consists of the tucked fronts and plain back, with the fitted foundations that can be used or omitted as the material requires. The fronts are laid in narrow vertical tucks that extend to shallow yoke depth and in wider horizontal ones below, and are gathered at the waist line where they droop slightly. The back is smooth across the shoulders and the fullness is drawn down snugly in gathers at the belt. The sleeves suggest the Hungarian style, and are made with snugly fitting upper portions, tucked on continuous lines with the waist, and full puffs that are laid in narrow vertical tucks at their upper edges. The cuffs are oddly shaped and match the stock.

The quantity of material required for the medium size is 5½ yards 21 inches wide, 5 yards 27 inches wide, 4½ yards 32 inches wide or 2½ yards 42 inches wide, The pattern, 4390, is cut in sizes for a 32, 34, 36, 38 and 40-inch bust measure. To be Made With or Without the Fitted Lining.



4391 Child's Russian 4392 Blouse Jacket 32 to 40 bust. Dress, 2 to 8 yrs.

Child's Russian Dress with Skirt and Body in One. 4391. The dress consists of fronts and back and is fitted by means of shoulder and under-arm seams. The fronts are lapped from the centre and the closing is made at the shoulder and at one side of the centre in Russian style. The neck is finished with a standing collar and at the waist is a belt of the material that is slipped through straps attached at the under-arm seams. The sleeves are full and gathered with nar.

row cuffs.

The quantity of material required for the medium size (4 years) is 3 yards 27 inches wide or 2½ yards The pattern, 4391, is cut in sizes for children of 2, 4, 6 and 8 years of age.

Woman's Blouse Jacket. 4399. To be Made Without Without the Cape and Basque Portion.

The blouse consists of fronts and back and is exceedingly simple and easily made. It does not require the snug fit of a jacket and is, therefore, far less exactsnug fit of a jacket and is, therefore, far less exacting and better suited to the needs of the home dressmaker. The back is plain and without fullness, but
the fronts are gathered and blouse slightly at the
belt. The cape is circular and fits smoothly over the
shoulders, but can be omitted fand the blouse left
plain when preferred. Both! neck and front edges
are finished with a shaped band. The sleeves are the
new bishon eart and are explared into pointed cuffs. new bishop sort and are gathered into pointed cuffs. The lower edge can be finished with the close-fitting

peplum, or with the belt only, las individual taste may decide.

The quantity of material required for the medium size is 6 yards 21 inches wide, 3 yards 44 inches wide or 21 yards 52 inches wide.

The pattern, 4392, is cut in sizes for a 32, 34, 36, 38 and 40-inch bust measure.



4393 Misses Tuck Plaited Skirt, 12 to 16 yrs. 32 to 40 bust.

Misses' Tuck Plaited Skirt. 4898. The skirt is cut in rine gores and is laid in somewhat deep backward turning plaits, which conceal all seams. The plaits meet at the centre back, where additional fuliness is laid in inverted plaits, and are stitched to give a tuck feffect, and in graduated lengths that suggest the flounce. They fit smoothly and snugly about the hips, but flare freely below the stitchings, so providing ample freedom and flare. The quantity of material required for the medium size is 6 yards 27 inches wide. 3j yards 44 inches wide or 3 yards 52 inches wide. or 3 yards 32 inches wide.

The pattern, 4393, is cut in sizes for mi*ses of 12, 14 and 16 years of age.

Woman's Tucked iWaist. 4394.

The waist consists of the fitted lining, fronts and back. Hoth fronts and back are tucked to yoke depth, then left free to form soft folds and are gathered at the waist line. The closing can be made at the left shoulder and under-arm seam, as in the case of the model, or invisibly at the centre front. The sleeves can be cut in full or elbow length and are tucked at their upper portions, left free below. When used in full length they are gathered into narrow cuffs. At the neck is a plain stock that closes at the back.

The quantity of material required for the medium size is 5½ yards 21 inches wide, 4½ yards 27 inches wide, 3½ yards 32 inches wide or 3 yards 44 inches wide, with 5½ yards of lace to trim as illustrated.

The pattern, 4394, is cut in sizes for a 32, 34, 36, 38 a 446 inch bust measure. Woman's Tucked | Waist. 4894.

The Horse.

Spian on the Horac.

The celebrated trainer and reinsm John Splan, recently delivered a lecture to the students of the Illinois Agricultural College on the subject, "The Horse as He Was, Is and Will Be." In substance, the lecturer said there would never be a horseless age, as there was more pleasure in driv-ing a fine horse than in riding in the costli-

est automobile.
"I believe that the horse of the future will be bred from the American trotter, not as a race horse, but as a utility horse," said Mr. Splan. "Austria is said to have the best horses in the world, but they have American sires. I sold a horse for \$15,000 to the Austrian government, and his colt was sold for \$25,000 and made \$50,000 on the track in America. In Austria the government controls breeding. In Russia the government even controls trading, making it a source of revenue.

"I believe in kindly treatment and early education. Take the colt and teach him gentleness and kindliness by light work. I worked eight years training Rarus, and as a result it was no more physical effort to drive him in a race than it was to play the violin. I never knew that horse to make a

"I began working with horses when I was young. I got \$4 a month, and I was the most overpaid employee you ever saw. I have learned that nervous force makes speed. The development of this force has brought the speed from three to two min-utes, and I believe it will be bettered. The higher the civilization the higher the class of horses. The Indian is rough, and so are his horses. The romantic tales of the swift Arabian steed are all bosh. The English cob horse is greatly prized, but he is American. The Britons get their horses in America. The European horses have better form than ours, but they are too slow.

"There is a great future for the American horse. Exports are increasing, and a horse may be sent to Liverpool for \$30 and taken care of too. Barnum introduced the American horse in England. The first knowledge of general utility horses came with this generation. The American trotting horse has better breeding capabilities for a general utility horse than any animal ever produced. A person living with horses will be bettered. They are not mean naturally. Treat them well."

Said a leading prospective exhibitor at the coming Boston Horse Show, speaking of the demand, present and future: market demands a ride-and-drive horse well mannered, tractable, a good looker and easily handled by a woman. We have not the continued, well-cultivated tracts and the even spread of population as in Europe, and the bulk of our saddler owners are forced into the cities rather than to the many country homes, as is the case in England. Neither is there the same demand here for a saddler who can 'hunt a bit,' although F. M. Ware says the best snaffle hunter he ever rode was a brown stag by Smuggler, with a record of 2.15‡, dam Ella-Ellwood (2.29 to road wagon), which was at that time a world's record. This good horse was up to 250 pounds and cost \$1600; could gallop and jump; could not trot or pace, but had all the peculiar endurance of the great American trotter."

As a sire of standard speed and of stallions and mares that have produced standard speed, Nutwood outranks all other stallions that have ever lived. The new Year Book credits him with 133 standard trotters and thirty-five standard pacers, a total of 168. He is also credited with 135 sons that have sired 452 trotters and 311 pacers, which have taken records in standard time. His daughters have produced 202 performers that have taken standard records, 153 of which are

who, it is believed, will engage in horse to catch the whey. The air in the room breeding.

William Pollock of Pittsfield will judge the trotting, roadster and road rig classes at the Boston Horse Show the week of April after twenty-four to forty-eight hours, ac-

Peeler Patron (2.12) is the only New England pacer whose owner has a nomination in the Brighton \$10 000 stake.

A. C. Hawkins, South Lancaster, Mass. has sold his trotter Regal Baron (2.291), by Baron Wilkes (2.18), to J. E. Brown, Portage Prairie, Canada, for \$2000. Regal Baron has beaten 2.20 in his work and gone quarters in 32 seconds.

Notes from Washington, D. C.

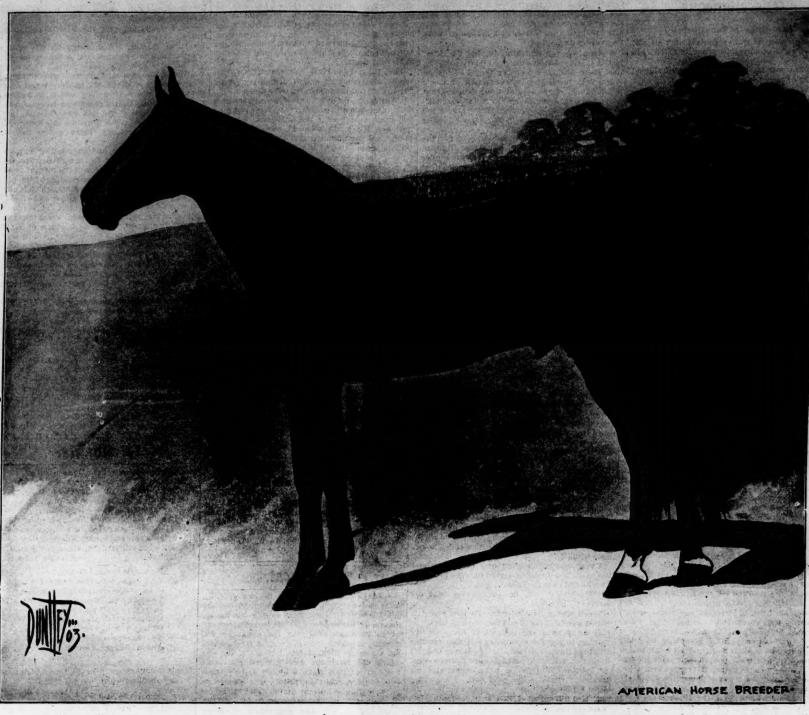
The simplest seed tester is one described by Mr. A. J. Pieters of the Department of Agriculture. It consists of two soup plates and a piece of flannel. Thoroughly wet the flannel and lay it over the bottom of one of the plates. Count out on it one hundred seeds, and lay over this another piece of wet flannel. Turn the second plate, a slightly smaller one, upside down to act as a cover and to keep the moisture in. Now simply keep the machine warm-the warmth of an ordinary living room—and prevent cooling In fact, if we would not lose a tree occasion off at night if possible. If ninety seeds do ally, we must make a good many annua not germinate, the quality of the seed is inspections of the trunks near the ground, below what it should be; it is probably a and if there are any traces of brownish mixture of new seed and left-over seed of

Consul-General Mason at Berlin, who alsome interesting facts. In 1901, over seven million acres in the German empire, or twelve per cent. of its arable land was planted with potatoes, which, in proportion to the populations, is about five times the potato acreage of the United States. The German potato crop in 1901 was fifty million tons. Potatoes are used in various ways in Germany. About one-half of the product is consumed at home as human food; much of



the place of all linaments for mild or sever large.
Removes all Bunches or Blemishes from Horses and Cattle, SUPERSEDES ALL CAUTERY
OR FIRING. Impossible to produce scar or blemish
Every bottle sold is warranted to give satisfaction
Price \$1.50 per bottle. Sold by druggists. or sent
by express, charges paid, with full directions for
its use. Send for descriptive disonless. its use. Send for descriptive circulars.

THE LAWRENCE-WILLIAMS CO., Cleveland, O.



THE NOTED STALLION OAKLAND BARON, RACE RECORD 2.09 1-4, BY BARON WILKES, 2.18. Property of Jacob Ruppert, Poughkeepsie, N. Y.

considerable amounts of starch-potato flour are made. There are some three hundred potato-starch factories in Germany. The alcohol from potatoes is used for all sorts of things, from lamp-lighting, where alcohol rivaling the arc electric light, to fuel for cooking-stoves and for sea-going launches. Mr. Mason states that the German bureau of agriculture has lent itself to elaborate experiments year after year until the whole system of planting, cultivating and harvesting potatoes has been reduced to exact practical methods.

How to make English cream cheese is told by Major Alvord in his cheese bulletin, which is about to be issued by the Department of Agriculture. To make this cheese, attention, and with grass growing up very thick cream should be poured into around them so that before they furnish Bonner larm, near Tarrytown, N. Y., is now in possession of Robert E. Bonner, with a vessel under the bag Man leaves a tree or two in his pasture lot must be pure as the cream easily absorbs odors. When the whey is pretty well drained off the bag should be twisted tight and tied so as to further dry the curd; then cording to temperature and the consistency of the cream, the cheese is ready to eat and may be moulded. This is hardly cheese, however, as no rennet is used, perhaps it should be called "sour cream curd."

> A simple, home-made cheese, according to Major Alvord, is "French cream cheese." Enough rennet is added to the morning's milk, at a temperature of 70°, to coagulate in two or three hours; it is then left for twenty or twenty-four hours. Then pour off the whey and cut the curd into slices and lay it in an ordinary hair sieve to drain. Add cream, not more than that from a quantity of milk equal to that first coagulated. Mix the curd and the cream in a bowl by mashing with a potato-masher until a uniform paste is obtained. This is then placed in wicker moulds or baskets lined with muslin. This cheese is used fresh. If kept several days, it must be put

It is again time to examine every apple tree to see whether the borers are working. ally, we must make a good many annual sawdust on the surface of the ground or years past. Notice should also be taken whether the good seeds all sprout vigorously, as seeds of low vitality will make poor plants.

Consul-General Mason at Berlin, who always writes readable reports, has sent a statement to the State Department on "Potato Culture in Germany," which gives the constitution of the state Department on the state Department of the state of June. It is possibly not a bad preventive method to hill me the trace read to be stated. to hill up the trees seven to eight inches during May when the earth is soft and it can be moulded closely around the trunk. This will keep the moth from laying its eggs at the actual juncture of the trunk with the roots, which is a favorite place, and whence it is particularly difficult to dig out the Then a little later, the hills can be pulled down.

If it is possible to put a sufficient supply of water on to a garden spot it would an experiment well worthy any farmer's trial, even if it involves considerable labor and some expenditure in arranging to get the water on the land. A rich garden spot with ample water will reproduce enormous yields. The production of some of the Western farms, under irrigation, is simply fabulous. If it is concluded to try the experiment of watering a one-fourth or one-half acre patch, a little different treatment may be accorded the soil than where the natural rainfall is to be depended upon. In the first place, the ground should be made as rich as possible, for if the water supply is good there will be no dange: of burning the crops. In connection with the application of fertilizers and manures, the ground should be plowed

the crop is made into alcohol; potatoes are to an extreme depth. It would be a good also sliced and dried, and have thus become | idea to subsoil the land; if a subsoil plow a staple article of food for the German navy is not available, follow an eight or ten-inch and army, and for the colonists of Africa and furrow with a heavy bull tongue, loosening Asia. Large quantities of potatoes are also up the ground to a depth of from twelve to and of the State railway commission. In used for stock feed in the place of corn, and sixteen inches. It will take some little experimentation and experience to beco successful irrigator, even on the scale of one-half an acre, but the yield which can be oduced will more than pay for all the work and trouble. The only question should vapor burns with an incandescent flame, be, is there an available water supply? It can be depended upon that an acre will require eighteen inches and probably two nished with direct traffic connections. It is feet of water,-two-acre feet,-that is, the to be feared, however, that few of the trolley land will have to be covered over two feet lines are built strong and solid enough to deep with water during the growing sea-

So many new houses throughout the country stand out bare and forlorn like a lighthouse on a reef. If trees are planted around them they are usually little slips stuck in the ground, receiving no care and cud in the heat of the day. Why should he not be as thoughtful of his own and his family's comfort? By a little extra work shade can be produced in a very few years. Dig a large and deep hole and, using plenty of well-rotted manure, transplant an elm or a locust or a maple or a poplar tree, six, eight or ten inches in diameter; give it some water the first year and always plenty of cultivation and stimulation, and it will put cultivation and stimulation, and it will put out. The end is probably not far off now. out eighteen to thirty inches of new growth every year. It is usually possible to get a this new outbreak, including at least a score of herds, was not discovered until some of two or three bushels of earth clinging to the roots. This is very easily done if the kets, where there are special inspectors. It tree grows in clay soil.

Bad roads are a heavy tax on the farmer. He has to haul small loads and waste much time in the hauling.

Professor Majors of the dairy department of the California State University advises the use of hay in raising dairy calves, to the greatest possible extent, for the encouragement of the development of the digestive organs.

For young chickens, feed often but a little at a time; keep the chickens hungry, but do not let them hunger.

Those who are interested in the growing of sugar beets and the production of beet sugar. as well as the cane-sugar people in Louis-iana, claim that the defeat of the Phil-ippine tariff bill in the Senate, which provided for a fifty per cent. reduction of du-ties on sugar and tobacco coming into this country from the Philippines, was fully warranted, in view of the large and grow ing sugar industry of this country. The duty on sugar from the Philippines therefore remains at seventy-five per cent. of the rate charged on sugar from other countries.

Feed the grain on the farm and keep the soil fertility intact. Every ton of corn shipped to market loses the farm thirtythree pounds of nitrogen, twelve pounds of phosphoric acid and seven pounds of potash. Figure this out according to the analyses on the fertilizer bags and see how much the GUY E. MITCHELL. farm is losing.

Great things are prophesied of the new to be the recent volume by George Fayette law which permits trolley lines in Massachusetts to carry freight after having obtained the consent of the town authorities freight cars direct from the steam road, conveying the freight without unloading to the customer's very door. In the same way empty cars would be delivered close to the farms from, which produce is to be shipped. Hundreds of small towns, villages and settlements would thus be furendure much heavy freight travel. Some of them would certainly need to lay new and heavy rails and better ties the entire length of the line before they could handle business of this kind. But some of the new lines are especially well built, and may be able to handle freight if the schedules can be arranged without too much hindrance to passenger traffic. The renewed outbreak of cattle disease in

New Hampshire is proving quite a serious matter, the infected herds so far including nearly three hundred members, and nev cases still being reported. So far all the cases are in Hillsboro County and a few towns adjoining, but as yet there can be no certainty that scattered cases may not be found elsewhere in the State. New England farmers are disappointed at the per-sistence of the epidemic which at one time was thought to have been wholly stamped ditions cases may not always be immediately reported, as they should be, to the cattle bureau or committee. Owners are naturally in no hurry to invite inspectors to kill their cattle, break up their milk business and overturn things generally, without adequate repayment. Here, perhaps, is shown the mistake made by the United States officials in paying only seventy per cent. of the value of cattle killed. Full pay-ment would have taken away the leading obstacle to report of new cases by the own-ers, and quite likely would have in the end proved the least costly plan.

New Publications.

A really helpful, complete and up-to-date book on breeds and judging has been a serious need for some time. Mr. John A. Craig's high-graue volume, "Judging Live Stock," leaves little to be desired. The numerous photo engravings of all breeds of cattle, horses, sheep and swine are so clear and life-like, and the descriptions and directions so accurate and complete, that it would seem any farmer's boy might learn all about live stock without any other teacher. It is a book which must be seen to be appreciated. Published at Des Moines, Ia. ublished at Des Moines, Ia.

The vast increase of irrigation practice has brought forward a host of new problems in law, usage and method, the situation being especially complicated where the irrigated regions and the water sources are in different States. Elwood Mead's new book, "Irrigation Institutions,"
discusses the questions created by the growth of
irrigated agriculture in the West, and outlines
methods for future development. The need of
co-operative organization is urged.

The best account of the Angora goat seems

Thompson on "Angora Goat Raising," includ-ing a very complete chapter on milch goats. It is a well-printed, fully illustrated volume, and covers all branches of the subject in various parts of the country.
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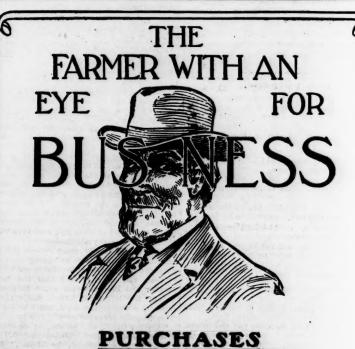
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